

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:  
**September**  
**2008**

**Edmund G. Brown Jr.**  
Governor  
**State of California**

**John Laird**  
Secretary for Resources  
**The Resources Agency**

**Mark Cowin**  
Director  
**Department of Water Resources**

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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State of California  
Department of Water Resources  
P.O. Box 942836  
Sacramento, CA 94236-0001

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Department of Water Resources  
**SUSAN SIMS, Chief Deputy Director**

DALE HOFFMAN-  
FLOERKE  
Deputy Director

RALPH TORRES  
Deputy Director

VACANT  
Deputy Director

KATHIE KISHABA  
Deputy Director

DIVISION OF OPERATIONS AND MAINTENANCE

David Starks..... Chief, Division of Operations and Maintenance

This report was prepared under the direction of

David Roose..... Office Chief, Operations Control Office

Joel Ledesma..... Principal Engineer, Systems Support Office

Chris Mattos ..... Branch Chief, Contract Administration & Reporting Branch

By the Reporting Section

Guy Masier ..... Section Chief, Reporting Section

Michael Nolasco..... Water Resources Engineering Associate (Specialist)

Mary Valdez ..... Water Resources Engineering Associate (Specialist)

The organization shown above represents staff and positions relevant to this report as of publication date on December 2011. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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## **MONTHLY HIGHLIGHTS**

The following highlights are activities or actions that impacted State Water Project operations during the month of September 2008.

Statewide precipitation was about 80 percent of average for the 2007 - 2008 water-year through September 30. Statewide runoff was 60 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "[http://cdec.water.ca.gov/snow\\_rain.html](http://cdec.water.ca.gov/snow_rain.html)".

Snowpack and runoff data are compiled four times a year, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of the volume of seasonal runoff from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State.

Statewide reservoir storage was 70% of average to date. Total storage in major SWP reservoirs at the end of September 2008 was about 1.87 maf, compared with about 2.63 maf at this time in 2007. On September 30, 2008, end-of-month storage at Lake Oroville was about 1.09 maf, as compared to 1.57 maf at this time in 2007. The State share of San Luis Reservoir's end-of-month storage was about 199 taf, as compared with 445 taf at this time in 2007. The combined storage in SWP's southern reservoirs was about 570 taf, compared with about 619 taf at this time in 2007.

SWP water deliveries to date through September 2008 were about 2.41 maf. This is a combination of project, transfer, and exchange waters. Total deliveries through this same period in 2007 were 3.70 maf.

The Coordinated Operations Agreement (COA) remained in "Balanced" conditions throughout the end of 2008.

On September 26, the Hyatt river valve flow was increased from 1000 cfs to 1250 cfs at 1000 hrs. This was done for water temperature control at the Fish Hatchery.

**Table 1. Antelope Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Aug 31	4994.47	16,175								
1	4994.43	16,145	-30	10	0	0	0	8	18	
2	4994.38	16,106	-39	10	0	0	0	8	18	
3	4994.33	16,068	-38	10	0	0	0	8	18	
4	4994.29	16,038	-30	10	0	0	0	8	18	
5	4994.24	16,000	-38	10	0	0	0	8	18	
6	4994.19	15,962	-38	10	0	0	0	8	18	
7	4994.15	15,931	-31	10	0	0	0	8	18	
8	4994.10	15,894	-37	10	0	0	0	8	18	
9	4994.05	15,856	-38	10	0	0	0	8	18	
10	4994.01	15,825	-31	10	0	0	0	8	18	
11	4993.96	15,788	-37	10	0	0	0	8	18	
12	4993.91	15,750	-38	10	0	0	0	8	18	
13	4993.87	15,720	-30	10	0	0	0	7	17	
14	4993.82	15,682	-38	10	0	0	0	7	17	
15	4993.77	15,645	-37	10	0	0	0	7	17	
16	4993.72	15,607	-38	10	0	0	0	7	17	
17	4993.68	15,577	-30	10	0	0	0	7	17	
18	4993.63	15,540	-37	10	0	0	0	7	17	
19	4993.59	15,510	-30	10	0	0	0	7	17	
20	4993.55	15,480	-30	10	0	0	0	7	17	
21	4993.51	15,451	-29	10	0	0	0	7	17	
22	4993.47	15,421	-30	10	0	0	0	7	17	
23	4993.42	15,384	-37	10	0	0	0	7	17	
24	4993.38	15,354	-30	10	0	0	0	7	17	
25	4993.33	15,317	-37	10	0	0	0	7	17	
26	4993.31	15,302	-15	10	0	0	0	7	17	
27	4993.31	15,302	0	10	0	0	0	7	17	
28	4993.29	15,287	-15	10	0	0	0	7	17	
29	4993.25	15,258	-29	10	0	0	0	7	17	
30	4993.21	15,228	-30	10	0	0	0	7	17	
Total cfs-days			---	300	0	0	0	222	522	
Total ac-ft			-947	595	0	0	0	441	1,036	
									89	

**Table 2. Frenchman Lake**

Daily Operation  
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Water Right	Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract						
Aug 31	5566.06	27,206									
1	5566.03	27,176	-30	1	7	0	0	9	17	2	
2	5565.99	27,135	-41	1	7	0	0	9	17	-4	
3	5565.94	27,085	-50	1	7	0	0	9	17	-8	
4	5565.91	27,055	-30	1	7	0	0	9	17	2	
5	5565.87	27,014	-41	1	7	0	0	9	17	-4	
6	5565.84	26,984	-30	1	7	0	0	9	17	2	
7	5565.81	26,954	-30	1	7	0	0	9	17	2	
8	5565.76	26,904	-50	2	13	0	0	9	24	-1	
9	5565.71	26,854	-50	2	17	0	0	9	28	3	
10	5565.65	26,793	-61	2	17	0	0	9	28	-3	
11	5565.60	26,743	-50	2	17	0	0	9	28	3	
12	5565.54	26,683	-60	2	16	0	0	9	27	-3	
13	5565.50	26,643	-40	2	13	0	0	9	24	4	
14	5565.46	26,603	-40	2	13	0	0	8	23	3	
15	5565.39	26,533	-70	2	13	0	0	8	23	-12	
16	5565.35	26,494	-39	2	6	0	0	8	16	-4	
17	5565.34	26,484	-10	2	2	0	0	8	12	7	
18	5565.32	26,464	-20	2	2	0	0	8	12	2	
19	5565.29	26,434	-30	2	2	0	0	8	12	-3	
20	5565.28	26,424	-10	2	2	0	0	8	12	7	
21	5565.26	26,404	-20	2	2	0	0	8	12	2	
22	5565.24	26,384	-20	2	2	0	0	8	12	2	
23	5565.22	26,364	-20	2	2	0	0	8	12	2	
24	5565.19	26,334	-30	2	2	0	0	8	12	-3	
25	5565.17	26,315	-19	2	2	0	0	8	12	2	
26	5565.16	26,305	-10	2	2	0	0	8	12	7	
27	5565.11	26,255	-50	2	2	0	0	8	12	-13	
28	5565.09	26,235	-20	2	2	0	0	8	12	2	
29	5565.07	26,216	-19	2	2	0	0	8	12	2	
30	5565.05	26,196	-20	2	11	0	0	8	21	11	
Total cfs-days				---	53	211	0	0	253	517	
Total ac-ft				-1,010	105	419	0	0	501	1,025	
1/ Last Chance Creek Water District											

**Table 3. Lake Davis**

Daily Operation  
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract 1/	Water Right 2/					
Aug 31	5762.46	42,043									
1	5762.42	41,935	-108	8	1	3	0	23	35	-20	
2	5762.39	41,853	-82	8	1	3	0	23	35	-7	
3	5762.37	41,799	-54	8	1	3	0	23	35	8	
4	5762.36	41,772	-27	8	1	3	0	23	35	21	
5	5762.33	41,691	-81	8	1	3	0	23	35	-6	
6	5762.31	41,637	-54	8	1	3	0	23	35	8	
7	5762.29	41,583	-54	8	1	3	0	23	35	8	
8	5762.25	41,475	-108	8	1	3	0	23	35	-20	
9	5762.23	41,421	-54	8	1	3	0	23	35	7	
10	5762.20	41,340	-81	7	1	3	0	23	34	-6	
11	5762.17	41,260	-80	7	1	3	0	23	34	-6	
12	5762.15	41,206	-54	7	1	3	0	23	34	7	
13	5762.13	41,152	-54	7	1	3	0	23	34	7	
14	5762.11	41,099	-53	7	1	3	0	23	34	8	
15	5762.09	41,045	-54	7	1	3	0	23	34	7	
16	5762.07	40,991	-54	7	1	3	0	23	34	7	
17	5762.07	40,991	0	7	1	3	0	23	34	34	
18	5762.04	40,911	-80	7	1	3	0	23	34	-6	
19	5762.01	40,831	-80	7	1	3	0	23	34	-6	
20	5761.99	40,778	-53	7	1	3	0	23	34	8	
21	5761.98	40,751	-27	7	1	3	0	23	34	21	
22	5761.95	40,671	-80	7	1	3	0	23	34	-6	
23	5761.93	40,618	-53	7	1	3	0	23	34	8	
24	5761.91	40,565	-53	7	1	3	0	23	34	8	
25	5761.80	40,299	-266	4	1	7	0	23	34	-100	
26	5761.78	40,220	-79	4	1	7	0	23	34	-5	
27	5761.77	40,193	-27	4	1	7	0	23	34	21	
28	5761.74	40,114	-79	4	1	7	0	23	34	-5	
29	5761.71	40,035	-79	4	1	7	0	22	33	-6	
30	5761.70	40,008	-27	4	1	7	0	22	33	20	
Total cfs-days				---	205	23	118	0	688	1,034	
Total ac-ft				-2,035	406	45	234	0	1,365	2,050	

1/ Includes 45 AF to Grizzly Ranch and 0 AF to Plumas County.

**Table 4. Lake Oroville**

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Aug 31	682.75	1,127,759										
	1	682.52	1,126,131	-1,628	2,992	34	0	0	159	0	3,185	0
	2	682.42	1,125,424	-707	5,346	34	0	0	277	0	5,657	0
	3	682.10	1,123,163	-2,261	4,118	34	0	0	195	0	4,347	0
	4	682.00	1,122,458	-705	6,341	34	0	0	233	0	6,608	0
	5	681.72	1,120,484	-1,974	3,936	32	0	0	213	0	4,181	0
	6	681.75	1,120,695	211	4,527	32	0	0	205	0	4,764	0
	7	681.72	1,120,484	-211	5,353	32	0	0	195	0	5,580	0
	8	681.50	1,118,934	-1,550	2,844	32	0	0	219	0	3,095	0
	9	681.80	1,121,048	2,114	4,160	32	0	0	200	0	4,392	0
	10	681.93	1,121,964	916	4,152	32	0	0	124	0	4,308	0
	11	681.83	1,121,259	-705	7,604	32	0	0	124	0	7,760	0
	12	681.40	1,118,230	-3,029	7,972	32	0	0	147	0	8,151	0
	13	680.88	1,114,575	-3,655	9,196	32	0	0	209	0	9,437	0
	14	680.46	1,113,031	-1,544	2,264	32	0	0	142	0	2,438	0
	15	680.75	1,113,663	632	5,818	32	0	0	133	0	5,983	0
	16	680.60	1,112,611	-1,052	7,659	32	0	0	147	0	7,838	0
	17	680.05	1,108,759	-3,852	7,875	32	0	0	127	0	8,034	0
	18	679.25	1,103,173	-5,586	9,152	32	0	0	137	0	9,321	0
	19	678.85	1,100,387	-2,786	4,175	32	0	0	89	0	4,296	0
	20	678.95	1,101,083	696	3,320	32	0	0	108	0	3,460	0
	21	679.08	1,101,988	905	3,561	32	0	0	112	0	3,705	0
	22	679.18	1,102,685	697	3,394	32	0	0	122	0	3,548	0
	23	679.29	1,103,451	766	2,838	32	0	0	164	0	3,034	0
	24	679.48	1,104,777	1,326	2,919	32	0	0	159	0	3,110	0
	25	679.53	1,105,126	349	7,607	32	0	1	170	0	7,810	0
	26	679.05	1,101,779	-3,347	3,423	32	0	1	154	0	3,610	0
	27	678.88	1,100,596	-1,183	4,932	32	0	1	211	0	5,176	0
	28	678.75	1,099,691	-905	3,754	32	0	1	215	0	4,002	0
	29	678.80	1,100,039	348	4,227	32	0	1	178	0	4,438	0
	30	678.39	1,097,190	-2,849	3,253	32	0	1	84	0	3,370	0
<b>Total</b>				<b>-30,569</b>	<b>148,712</b>	<b>960</b>	<b>0</b>	<b>6</b>	<b>4,952</b>	<b>0</b>	<b>154,630</b>	<b>0</b>
												<b>124,061</b>

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay  
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

**September 2008**

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Aug 31	24,156										
1	24,206	50	2,992	440	0	1,222	4	9	1,966	0	-181
2	24,059	-147	5,346	455	0	4,360	4	9	1,509	0	-66
3	24,154	95	4,118	455	0	3,054	5	9	1,361	0	-49
4	24,258	104	6,341	455	0	5,296	5	9	1,365	0	-17
5	24,198	-60	3,936	454	0	3,024	5	9	1,363	0	-49
6	23,023	-1,175	4,527	453	0	4,700	5	9	1,361	0	-80
7	24,265	1,242	5,353	454	0	3,252	5	9	1,357	0	58
8	24,133	-132	2,844	451	0	1,974	5	9	1,377	0	-62
9	23,931	-202	4,160	474	0	3,428	5	9	1,382	0	-12
10	23,857	-74	4,152	449	0	3,260	5	9	1,379	0	-22
11	23,356	-501	7,604	460	0	7,167	5	9	1,406	0	22
12	24,123	767	7,972	460	0	6,371	5	9	1,396	0	116
13	23,242	-881	9,196	460	0	9,203	5	9	1,406	0	86
14	23,304	62	2,264	460	0	1,304	5	10	1,380	0	37
15	23,022	-282	5,818	460	0	5,050	5	10	1,400	0	-95
16	24,036	1,014	7,659	459	0	5,818	5	10	1,400	0	129
17	23,906	-130	7,875	459	0	7,024	5	10	1,406	0	-19
18	23,783	-123	9,152	459	0	8,264	5	10	1,412	0	-43
19	23,652	-131	4,175	459	0	3,168	5	10	1,406	0	-176
20	23,513	-139	3,320	459	0	2,344	5	10	1,398	0	-161
21	23,542	29	3,561	457	0	2,309	5	10	1,382	0	-283
22	23,835	293	3,394	436	0	1,849	5	10	1,382	0	-291
23	23,957	122	2,838	459	0	1,714	5	10	1,382	0	-64
24	24,062	105	2,919	459	0	1,738	5	10	1,382	0	-138
25	23,908	-154	7,607	458	0	6,264	5	10	1,384	0	-556
26	24,291	383	3,423	458	0	2,160	5	10	1,731	0	408
27	24,008	-283	4,932	459	0	3,926	5	10	2,168	0	435
28	23,928	-80	3,754	459	0	2,404	5	10	2,158	0	284
29	23,770	-158	4,227	459	0	2,856	5	10	2,158	0	185
30	23,394	-376	3,253	0	0	1,884	5	10	2,076	0	346
Total		-762	148,712	13,239	0	116,387	148	287	45,633	0	-258

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

**Table 6. Thermalito Afterbay**

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Aug 31	134.30	47,910										
1	133.41	44,413	-3,497	1,222	1,565	6	198	690	1,894	0	-366	3,860
2	133.24	43,759	-654	4,360	1,539	6	258	617	2,380	0	-214	3,889
3	132.76	41,934	-1,825	3,054	1,521	6	198	541	2,559	0	-54	3,920
4	132.85	42,274	340	5,296	1,440	5	179	534	2,559	0	-239	3,924
5	132.37	40,479	-1,795	3,024	1,406	4	163	490	2,559	0	-197	3,922
6	132.33	40,331	-148	4,700	1,412	3	151	446	2,559	0	-277	3,920
7	131.94	38,901	-1,430	3,252	1,396	2	139	422	2,559	0	-164	3,916
8	131.18	36,185	-2,716	1,974	1,353	2	123	407	2,559	0	-246	3,936
9	130.83	34,966	-1,219	3,428	1,347	2	97	305	2,559	0	-337	3,941
10	130.48	33,765	-1,201	3,260	1,335	0	100	248	2,559	0	-219	3,938
11	131.27	36,502	2,737	7,167	1,333	0	87	226	2,559	0	-225	3,965
12	131.79	38,358	1,856	6,371	1,263	0	89	196	2,559	0	-408	3,955
13	133.10	43,223	4,865	9,203	1,236	0	100	182	2,559	0	-261	3,965
14	132.36	40,442	-2,781	1,304	1,214	0	100	175	2,559	0	-37	3,939
15	132.55	41,148	706	5,050	1,202	0	100	163	2,559	0	-320	3,959
16	132.98	42,766	1,618	5,818	1,162	0	100	157	2,559	0	-222	3,959
17	133.70	45,541	2,775	7,024	1,158	0	70	145	2,559	0	-317	3,965
18	134.68	49,437	3,896	8,264	1,129	0	60	175	2,559	0	-445	3,971
19	134.44	48,470	-967	3,168	1,109	0	60	301	2,559	0	-106	3,965
20	134.00	46,721	-1,749	2,344	1,087	0	60	319	2,559	0	-68	3,957
21	133.53	44,878	-1,843	2,309	1,079	0	54	307	2,559	0	-153	3,941
22	132.94	42,614	-2,264	1,849	1,063	0	38	292	2,559	0	-161	3,941
23	132.31	40,257	-2,357	1,714	1,057	0	0	282	2,559	0	-173	3,941
24	131.69	37,998	-2,259	1,738	1,037	0	0	280	2,559	0	-121	3,941
25	132.28	40,146	2,148	6,264	1,006	0	0	294	2,559	0	-257	3,943
26	131.85	38,575	-1,571	2,160	960	0	0	305	2,182	0	-284	3,913
27	132.06	39,339	764	3,926	948	0	0	305	1,745	0	-164	3,913
28	131.87	38,647	-692	2,404	948	0	0	303	1,751	0	-94	3,909
29	131.78	38,322	-325	2,856	946	0	38	301	1,755	0	-141	3,913
30	131.44	37,104	-1,218	1,884	904	0	117	313	1,743	0	-25	3,819
Total		-10,806		116,387	36,160	36	2,680	9,720	72,307	0	-6,290	117,940

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

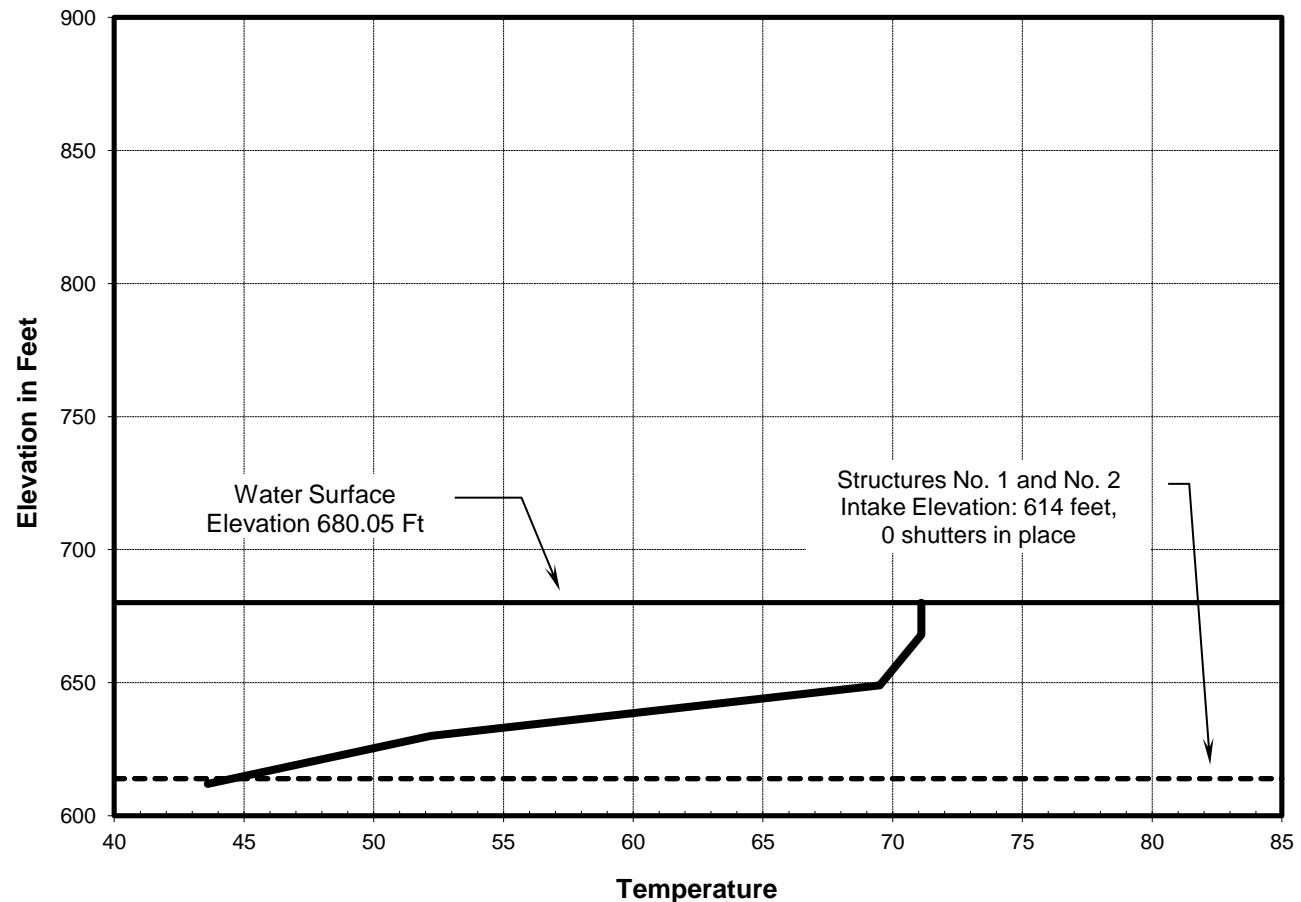
**Table 7. Oroville-Thermalito Complex**

Water Temperature Data

(in degrees Fahrenheit)

September 2008

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	70	0
2	69	0
3	69	0
4	70	0
5	70	0
6	71	0
7	72	0
8	72	0
9	71	0
10	70	0
11	70	0
12	70	54
13	69	56
14	69	57
15	68	58
16	67	57
17	66	57
18	65	56
19	64	57
20	65	55
21	65	53
22	66	53
23	66	54
24	66	54
25	66	56
26	67	56
27	67	52
28	68	52
29	68	52
30	67	52

**Lake Oroville Temperature Profile  
on September 17, 2008**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

**Table 8. North Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**September 2008**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	Article 56C	Dry Purchase	General Conveyance	Permit	
	No.	Structure	Mile							
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	6,355	298	2,161	288	288	
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis AFB	288					
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	298					
				Solano County Water Agency Fairfield / Vacaville 42"	2,161					
			17.00	Solano County Water Agency Central Solano	Stub					
2	3A	Cordelia Forebay	21.23			1/ 4	1,204	2/ 811	2/ 811	
		Cordelia Pumping Plant & Cordelia Spillway	21.30		2,675					
3B	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	815	9	500	288	3/ 100	
				Solano County Water Agency Benicia	1,204					
		Cordelia Surge Tank	23.33							
		Creston Surge Tank Connection	25.65							
			26.95	Napa County Flood Control & WCD American Canyon 2	9					
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	1,140					
			27.60	Napa County Flood Control & WCD American Canyon 1	346					

1/ Napa Co. FC&WCD through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon.

2/ Includes 3 AF of Solano Permit water sold to Napa.

3/ Solano Permit water sold to American Canyon, delivered to Cordelia Forebay and pumped to American Canyon via Reach 3B.

**Table 9. Delta Field Division Plant Data**

(in acre-feet)

**September 2008**

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	228	120	3,864	3,864	556	0	0	0
2	230	189	3,867	3,867	485	0	0	41
3	225	100	4,040	4,040	303	0	0	205
4	222	118	3,266	3,266	275	0	0	200
5	237	99	3,719	3,719	439	0	0	5
6	244	100	3,681	3,681	454	0	0	54
7	241	100	3,860	3,860	418	0	0	88
8	230	172	3,869	3,869	443	0	0	71
9	230	139	3,112	3,112	473	0	0	31
10	228	138	2,906	2,906	470	0	0	27
11	226	98	1,505	1,505	490	0	0	0
12	214	154	1,102	1,102	495	0	0	0
13	203	120	1,102	1,102	468	0	0	0
14	206	150	1,102	1,102	463	0	0	0
15	208	50	1,073	1,073	470	0	0	25
16	217	96	1,091	1,091	474	0	0	0
17	187	81	1,182	1,182	489	0	0	0
18	127	80	1,187	1,187	488	0	0	0
19	155	96	1,097	1,097	460	0	0	0
20	200	50	0	0	466	0	0	0
21	212	100	2,222	2,222	458	0	0	0
22	201	0	1,102	1,102	471	0	0	0
23	211	0	1,270	1,270	458	0	0	22
24	215	0	1,120	1,120	463	0	0	0
25	207	24	1,116	1,116	471	0	0	0
26	204	32	1,085	1,085	476	0	0	0
27	211	0	1,084	1,084	470	0	0	0
28	211	50	1,079	1,079	464	0	0	0
29	212	0	1,113	1,113	476	0	0	0
30	213	219	1,115	1,115	455	0	0	0
Total	6,355	2,675	58,931	58,931	13,741	0	0	769

**Table 10. Clifton Court Forebay**

Daily Operation of Gates

**September 2008**

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1	0:01	1:25	3:30	6:00	11:00	13:35	20:45				3,941
2		1:10	4:20	6:45	11:45	13:27	17:13	18:15			3,948
3	0:00	2:00	5:00	7:45	12:30	14:14	17:18	18:30	21:30	22:30	3,946
4	6:24	7:30	10:30	13:24							3,923
5	1:30	4:45	11:15	15:41	17:48	20:30					3,947
6	1:25	5:55	12:25	15:50							3,954
7	2:15	5:25	13:30	17:25							3,960
8	3:00	8:29	14:30	16:06							3,954
9	4:00	8:23	16:16	16:51							3,165
10	5:33	7:10									1,170
11	0:01	1:30	6:30	8:35							1,173
12	0:01	2:30									1,170
13	0:01	2:20									1,179
14	0:01	2:27									1,187
15	0:01	2:30									1,189
16	0:01	3:30									1,187
17	0:01	2:30									1,176
18	0:01	3:55									1,181
19	0:01	3:50									1,172
20	0:45	4:55									1,169
21	1:15	4:00									1,181
22	2:15	3:50									1,167
23	3:15	5:10									1,184
24	4:45	7:50									1,184
25	0:01	1:15									1,183
26	0:01	2:15									1,182
27	0:01	3:15									1,170
28	0:01	4:15									1,172
29	0:01	4:30									1,178
30	0:01	5:08									1,183
Total inflow for the month in AF:											59,475

**Table 11. Governor Edmund G. Brown California Aqueduct**

Delta Field Division, Monthly Deliveries

(In acre-feet)

**September 2008**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	General Conveyance	Dry Purchase	Local Other	
	No.	Structure	Mile							
1A			1.83	Byron-Bethany I.D.	2,675					
1	1	Banks Pumping Plant	3.32		58,931					
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aqueduct)	13,741					
		Check No. 1	5.95							
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0					
	2	Check No. 2	12							
	3		12.5	Musco Olive	48	48				
		Check No. 3	18.3							
	4		22.2	Tracy Golf & Country Club	0					
		Check No. 4	24							
2A	5	Check No. 5	29.7							
	6	Check No. 6	34.2							
	7		35.2	Turlock Fruit Company Inflow	0					
		Check No. 7	39.9							
	8		42.5	Oak Flat Water District-A	61	40				
			42.9	Western Hills WD	125					
			43.8	Oak Flat Water District-B	113	113	125			
			44.6	Oak Flat Water District-C	0					
		Check No. 8	46							
	9		46.2	Oak Flat Water District-D	55	55				
				Oak Flat Totals:	229	208	0	0	21	
2B	Check No. 9	51.3							0	
	10	Check No. 10	56.9							
	11	Check No. 11	61.4							
			66.1	Veteran's Cemetery	24	24				
	12	Check No. 12	66.7		42,679					

**Table 12. South Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

September 2008

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending		No.			Table A	Local	Recreation	Recov-ery	Dry Purchase	Other	
	No.	Structure	Mile									
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	13,741	6	28	295	1/ 1,060			
			3.17	Granite - Vasco Rd. (Temp.)	0							
			3.18	Oakland Scavenger Zone 7	6							
	2	Check No. 1	3.91									
		Check No. 2	5.21									
	3		7.15	Zone 7 Water Agency Altamont	28							
2		Check No. 3	9.49	Zone 7 Water Agency Patterson Project Water	1,355							
4	4	Check No. 4	10.68			179	87	26	102	28		
	5	Check No. 5	12.29									
	6		13.55	Zone 7 Water Agency Wente #1	179							
			14.16	Zone 7 Water Agency Wente #2	87							
			14.31	Zone 7 Water Agency Ising	26							
		Check No. 6	14.65									
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	0							
		Check No. 7	16.38									
5	8		16.57	Zone 7 Water Agency Wente #3	0	102	28	64	189	154		
			16.63	Zone 7 Water Agency Wente #4	102							
			16.69	Zone 7 Water Agency Norman Nursery	0							
			16.70	Zone 7 Water Agency Concannon Project Water	28							
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	0							
				Pumped into South Bay Aqueduct	0							
				Gravity into South Bay Aqueduct	769							
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2		93	25	20	2/ 2,000	291		
				Inflow Release	64							
				Storage Exchange	154							
				Project Water	189							
				East Bay Regional Park Dist.								
6				Del Valle Recreation	20	145		2/ 2,264	2,563	351	3/ 3,100	
				Zone 7 Water Agency Wente #5	93							
7		La Costa Tunnel	19.20	Zone 7 Water Agency So. Livermore Project		145		2/ 2,264	2,563	351	3/ 3,100	
			19.21	Project Water	2,316							
8			22.50	Zone 7 Water Agency Kalthrof Detjens	145	145		2/ 2,264	2,563	351	3/ 3,100	
			25.97	ACWD Vallecitos Project Water	0							
9		Mission Tunnel	28.97	City of San Francisco	0	1,450		2/ 2,264	2,563	351	3/ 3,100	
				San Antonio	0							
				ACWD - Bayside 1 & 2		1,450		2/ 2,264	2,563	351	3/ 3,100	
				Storage Released								
				Project Water	0							
				S.C.V.W.D.								
				Meter	7,464							

1/ Alameda Co. FC&WCD (Zone 7) received Transfer water from Plain View WD.

2/ Semitropic water bank recovery.

3/ Santa Clara Valley WD received Transfer water from Brown's Valley ID.

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

September 2008

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)	
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow		
Aug 31	702.11	39,288	-14 -49 -210 -188 -76 -56 -97 -76 -35 -35 -14 -1 -14 -14 -7 -35 -7 -21 -11 -14 -14 -14 -14 -7 -6 -14 -14 -7 -34 -14 -7 -21 -7	0	0	0	0	1	13	14	0.00	
1	702.09	39,274		0	0	0	41	1	19	61	0.00	
2	702.02	39,225		12	0	0	205	1	21	227	0.00	
3	701.72	39,015		17	0	0	200	1	18	219	0.00	
4	701.45	38,827		31	0	0	5	1	19	25	0.00	
5	701.34	38,751		-51	0	0	54	1	20	75	0.00	
6	701.26	38,695		19	0	0	88	1	19	108	0.00	
7	701.12	38,598		11	0	0	71	1	19	91	0.00	
8	701.01	38,522		15	0	0	31	1	12	44	0.00	
9	700.96	38,488		9	0	0	27	1	14	42	0.00	
10	700.91	38,453		7	0	0	0	0	12	13	0.00	
11	700.89	38,439		-1	0	0	0	1	12	13	0.00	
12	700.87	38,425		1	0	0	0	1	14	15	0.00	
13	700.85	38,412		-10	0	0	0	1	3	4	0.00	
14	700.84	38,405		3	0	0	0	1	9	10	0.00	
15	700.79	38,370		0	0	0	25	1	9	35	0.00	
16	700.78	38,363		8	0	0	0	1	14	15	0.00	
17	700.75	38,343		-11	0	0	0	1	9	10	0.00	
18	700.73	38,329		-4	0	0	0	1	9	10	0.00	
19	700.72	38,322		3	0	0	0	1	9	10	0.00	
20	700.70	38,308		-6	0	0	0	1	7	8	0.00	
21	700.68	38,294		-14	0	0	0	0	8	8	0.00	
22	700.67	38,287		-7	3	0	0	0	10	10	0.00	
23	700.62	38,253		3	0	0	22	0	15	37	0.00	
24	700.60	38,239		-2	0	0	0	0	12	12	0.00	
25	700.59	38,232		8	0	0	0	0	15	15	0.00	
26	700.57	38,218		2	0	0	0	0	16	16	0.00	
27	700.55	38,205		-14	-1	0	0	0	13	13	0.00	
28	700.54	38,198		7	0	0	0	0	14	14	0.00	
29	700.51	38,177		-21	-7	0	0	0	14	14	0.00	
30	700.50	38,170		0	0	0	0	0	7	7	0.00	
Total				-1,122	60	0	0	769	20	393	1,182	
											0.00	

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

**Table 14. Consolidated State-Federal O'Neill Forebay**

Daily Operations

**September 2008**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Aug 31	222.96	50,939											
1	222.98	50,993	54	0	1,733	0	1,774	0	593	3,026	11	150	
2	222.38	49,394	-1,599	0	1,695	0	1,476	0	590	3,599	15	227	
3	222.52	49,767	373	0	1,675	0	1,988	0	590	2,982	19	116	
4	222.90	50,779	1,012	0	1,651	1,265	1,730	0	1,182	2,958	26	30	
5	223.05	51,180	401	0	1,574	946	1,493	0	1,039	2,803	12	43	
6	223.35	51,982	802	0	1,590	952	1,447	0	593	2,978	5	-9	
7	222.15	48,783	-3,199	0	1,663	640	1,667	0	1,923	3,669	2	11	
8	222.72	50,299	1,516	0	1,789	0	1,888	0	1,033	2,123	6	249	
9	222.63	50,060	-239	0	1,812	0	1,208	0	443	2,651	7	-39	
10	222.48	49,660	-400	0	1,615	374	1,168	0	1,033	2,671	12	357	
11	222.64	50,086	426	0	967	1,356	476	0	443	2,200	16	75	
12	223.00	51,046	960	0	508	2,336	94	0	0	2,357	11	-86	
13	223.17	51,500	454	0	0	1,792	257	0	0	1,802	4	-14	
14	222.62	50,033	-1,467	0	0	3,118	314	0	0	4,333	4	165	
15	222.18	48,863	-1,170	0	215	1,155	309	0	0	2,249	9	-11	
16	223.21	51,607	2,744	0	1,061	2,490	244	0	0	2,154	5	-253	
17	222.45	49,580	-2,027	0	824	1,017	444	0	2,071	1,454	11	229	
18	222.89	50,753	1,173	0	715	1,429	311	0	0	1,536	15	-313	
19	223.67	52,840	2,087	0	632	1,590	336	0	0	1,292	11	-203	
20	223.68	52,866	26	0	601	1,008	0	0	0	1,334	15	-247	
21	223.60	52,652	-214	0	726	855	619	0	0	2,186	4	-118	
22	223.36	52,009	-643	0	601	857	308	0	895	1,210	9	24	
23	223.87	53,377	1,368	0	849	250	325	0	0	807	18	91	
24	223.44	52,223	-1,154	0	1,280	0	278	0	1,197	985	13	55	
25	222.65	50,113	-2,110	0	1,282	0	183	45	1,797	1,037	12	362	
26	221.95	48,255	-1,858	0	1,230	0	296	0	1,193	1,170	12	-88	
27	221.42	46,863	-1,392	0	1,041	0	333	0	1,193	1,221	12	350	
28	221.81	47,887	1,024	0	946	1,860	227	0	0	2,409	13	-95	
29	222.27	49,102	1,215	0	1,044	907	84	0	0	1,448	10	36	
30	222.74	50,353	1,251	0	1,103	1,193	241	0	373	1,863	10	340	
Total				-586	0	32,422	27,390	21,518	45	18,181	64,507	329	1,434
Mean cfs				---	0	1,081	913	717	2	606	2,150	11	48
Acre-feet				-586	0	64,305	54,329	42,679	90	36,062	127,948	653	2,854

1/ Pump-in located at Mile 79.67R.

2/ Includes 140 AF delivered to DFG at O'Neill Forebay, 2 AF to Parks & Rec., and 511 AF to San Luis Water District.

**Table 15. Consolidated State-Federal San Luis Reservoir**

Daily Operations

**September 2008**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Aug 31	364.34	269,655							
1	364.36	269,779	124	593	0	186	0	-344	
2	364.31	269,470	-309	590	0	176	0	-570	
3	364.40	270,026	556	590	0	200	0	-110	
4	364.27	269,223	-803	1,182	1,265	155	0	-167	
5	364.27	269,223	0	1,039	946	172	0	79	
6	364.08	268,050	-1,173	593	952	172	0	-60	
7	364.34	269,655	1,605	1,923	640	167	0	-307	
8	364.59	271,202	1,547	1,033	0	168	0	-85	
9	364.68	271,759	557	443	0	166	0	4	
10	364.74	272,131	372	1,033	374	170	0	-301	
11	364.40	270,026	-2,105	443	1,356	184	0	36	
12	363.59	265,036	-4,990	0	2,336	174	0	-6	
13	362.93	260,997	-4,039	0	1,792	170	0	-74	
14	361.86	254,499	-6,498	0	3,118	164	0	6	
15	361.42	251,845	-2,654	0	1,155	161	0	-22	
16	360.42	245,855	-5,990	0	2,490	166	0	-364	
17	360.63	247,109	1,254	2,071	1,017	146	0	-276	
18	360.11	244,010	-3,099	0	1,429	166	0	33	
19	359.63	241,164	-2,846	0	1,590	154	0	309	
20	359.35	239,509	-1,655	0	1,008	156	0	330	
21	358.99	237,389	-2,120	0	855	149	0	-65	
22	358.93	237,036	-353	895	857	155	0	-61	
23	358.77	236,097	-939	0	250	155	0	-68	
24	358.67	235,510	-587	1,197	0	155	0	-1,338	
25	359.17	238,448	2,938	1,797	0	152	0	-164	
26	359.46	240,159	1,711	1,193	0	154	0	-176	
27	359.77	241,992	1,833	1,193	0	153	0	-116	
28	359.19	238,566	-3,426	0	1,860	154	0	287	
29	358.81	236,331	-2,235	0	907	152	0	-68	
30	358.86	236,625	294	373	1,193	195	1	1,164	
Total				-33,030	18,181	27,390	4,947	1	-2,494
Mean cfs				---	606	913	165	0	-83
Acre-feet				-33,030	36,062	54,329	9,818	2	-4,943

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 8,157 AF, Casa De Fruta 0 AF, and San Benito 1,661 AF.

**Table 16. San Luis Field Division Plant Data**

(in acre-feet)

**September 2008**

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	6,003	4,178	0	0	1,177	13	369
2	7,138	5,204	0	0	1,171	24	350
3	5,914	4,038	0	0	1,170	25	397
4	5,868	3,938	2,509	2,509	2,344	-11	308
5	5,559	3,640	1,876	1,876	2,060	9	341
6	5,907	3,960	1,889	1,889	1,177	19	342
7	7,278	5,452	1,269	1,269	3,815	2,351	332
8	4,210	2,271	0	0	2,048	-3	334
9	5,258	3,305	0	0	878	2	329
10	5,298	3,313	741	741	2,048	-23	337
11	4,364	1,937	2,689	2,689	878	17	364
12	4,676	2,328	4,633	2,405	0	0	346
13	3,575	1,166	3,554	1,280	0	0	338
14	8,594	6,288	6,185	6,185	0	0	326
15	4,460	2,549	2,291	2,291	0	0	320
16	4,273	2,379	4,939	39	0	0	329
17	2,885	986	2,017	2,017	4,107	4,107	289
18	3,047	1,178	2,835	2,835	0	0	329
19	2,562	662	3,154	3,154	0	0	0
20	2,645	737	2,000	2,000	0	0	615
21	4,335	2,512	1,696	1,118	0	0	295
22	2,400	502	1,700	1,113	1,775	1,775	308
23	1,600	689	496	-112	0	0	308
24	1,953	1,050	0	0	2,375	2,074	308
25	2,057	1,172	0	0	3,565	2,355	301
26	2,321	1,844	0	0	2,367	1,177	305
27	2,421	1,951	0	0	2,367	1,169	304
28	4,779	4,243	3,689	3,689	0	0	306
29	2,873	2,405	1,800	1,800	0	0	302
30	3,695	2,176	2,367	2,367	740	-33	386
Total	127,948	78,053	54,329	43,154	36,062	15,047	9,818

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

**Table 17. Consolidated State-Federal Los Banos Reservoir**

Daily Operations  
September 2008

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Aug 31	324.23	18,936					
1	324.19	18,918	-18	0	0	0	-18
2	324.17	18,910	-8	0	0	0	-8
3	324.15	18,901	-9	0	0	0	-9
4	324.13	18,892	-9	0	0	0	-9
5	324.12	18,887	-5	0	0	0	-5
6	324.10	18,878	-9	0	0	0	-9
7	324.06	18,860	-18	0	0	0	-18
8	324.03	18,847	-13	0	0	0	-13
9	324.00	18,833	-14	0	0	0	-14
10	323.99	18,829	-4	0	0	0	-4
11	323.97	18,820	-9	0	0	0	-9
12	323.94	18,807	-13	0	0	0	-13
13	323.93	18,802	-5	0	0	0	-5
14	323.90	18,789	-13	0	0	0	-13
15	323.89	18,784	-5	0	0	0	-5
16	323.87	18,775	-9	0	0	0	-9
17	323.83	18,757	-18	0	0	0	-18
18	323.82	18,753	-4	0	0	0	-4
19	323.79	18,740	-13	0	0	0	-13
20	323.77	18,731	-9	0	0	0	-9
21	323.77	18,731	0	0	0	0	0
22	323.74	18,717	-14	0	0	0	-14
23	323.72	18,708	-9	0	0	0	-9
24	323.71	18,704	-4	0	0	0	-4
25	323.70	18,699	-5	0	0	0	-5
26	323.69	18,695	-4	0	0	0	-4
27	323.67	18,686	-9	0	0	0	-9
28	323.65	18,677	-9	0	0	0	-9
29	323.64	18,673	-4	0	0	0	-4
30	323.62	18,664	-9	0	0	0	-9
Total			-272	0	0	0	-272
Mean cfs			---	0	0	0	---
Acre-feet			-272	0	0	0	-272

**Table 18. Consolidated State-Federal Little Panoche Reservoir**

Daily Operations

**September 2008**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Aug 31	600.50	709					
1	600.50	709	0	0	0	0	0
2	600.50	709	0	0	0	0	0
3	600.50	709	0	0	0	0	0
4	600.50	709	0	0	0	0	0
5	600.50	709	0	0	0	0	0
6	600.50	709	0	0	0	0	0
7	600.50	709	0	0	0	0	0
8	600.50	709	0	0	0	0	0
9	600.50	709	0	0	0	0	0
10	600.50	709	0	0	0	0	0
11	600.50	709	0	0	0	0	0
12	600.50	709	0	0	0	0	0
13	600.50	709	0	0	0	0	0
14	600.50	709	0	0	0	0	0
15	600.50	709	0	0	0	0	0
16	600.50	709	0	0	0	0	0
17	600.50	709	0	0	0	0	0
18	600.50	709	0	0	0	0	0
19	600.50	709	0	0	0	0	0
20	600.50	709	0	0	0	0	0
21	600.50	709	0	0	0	0	0
22	600.50	709	0	0	0	0	0
23	600.50	709	0	0	0	0	0
24	600.50	709	0	0	0	0	0
25	600.50	709	0	0	0	0	0
26	600.50	709	0	0	0	0	0
27	600.50	709	0	0	0	0	0
28	600.50	709	0	0	0	0	0
29	600.50	709	0	0	0	0	0
30	600.50	709	0	0	0	0	0
Total			0	0	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			0	0	0	0	0

**Table 19. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries

(In acre-feet)

**September 2008**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		42,679						
3A		San Luis Reservoir		Department of Parks and Recreation	2	8,157		1	1		
				San Felipe Division Santa Clara Water District	8,157						
				Casa de Fruita Santa Clara Water District	0						
				San Felipe Division San Benito Water District	1,661						
				Reach 3A Subtotal:	9,820		9,818	0	1		
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	2			1	1		
				Cattle Program	0						
				Department of Fish & Game	140			77	63		
		70.91 Thru 85.08		San Luis Water District	511	511					
				(Floodwater Inflow)	0						
				Reach 3 Subtotal:	653		511	0	78		
		Dos Amigos Pumping Plant	86.73		127,948		64				
4	14		89.03			3,526					
			Thru 94.06	San Luis Water District	3,526						
			89.66				318				
			Thru 89.67	Pacheco Water District	318						
			89.68	Panoche Water District	43		43				
	15		89.70	City of Dos Palos	145		145				
			Check No. 14	95.06			286				
			98.15								
			Thru 104.20	San Luis Water District	286						
			96.15			1,130					
			Thru 102.64	Panoche Water District	1,130		1,130				
			(Floodwater Inflow)	0	0						
			102.64	Broadview Water District	0						
			105.22			4,549					
			Thru 108.64	Westlands Water District	4,549						
			Check No.15	108.50							
			Reach 4 Subtotal:	9,997			9,997	0	0		
			San Felipe Division Total:	9,818			9,818	0	0		
			Pacheco Water District Total:	318		318	0	0	0		
			Broadview Water District Total:	0			0	0	0		
			City of Dos Palos Total:	145		145	0	0	0		
			SLWD Reach 4 Subtotal:	3,812		3,812	0	0	0		
			Panoche Water District Total:	1,173		1,173	0	0	0		
			SLWD Total:	4,323		4,323	0	0	0		
			Westlands WD Reach 4 Subtotal:	4,549		4,549	0	0	0		

**Table 19. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**September 2008**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure											
5	16		110.52	(Reverse flow, Kings River)	0	7,637	1	0					
				Westlands Water District	7,637								
				Thru	1								
				122.05	0								
				Dept. of Fish and Game @ Lat. 7L	0								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	3,469	3,469		1	0				
			Thru										
			132.74										
	Check No. 17	132.95											
6	18		133.81	Westlands Water District	5,106	5,106		1	0				
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	5,932								
			143.16	City of Coalinga	672								
		Check No. 18	143.23										
				Reach 5 Subtotal:	22,817	22,816	0	1	0				
7	19		145.26	GWF Energy	2	2	1/ 2	1	0				
				City of Huron	2								
				Kings County to Lemoore NAS Through WWD	39								
				Kings County through WWD 30L	0								
				Westlands Water District	4,460	4,460	2/ 39	39	0				
		Check No. 19	155.64										
				Reach 6 Subtotal:	4,503	4,462	41	0	0				
8	20		156.34	City of Huron	108	108	108	1	0				
			156.40	SWP Construction @ Lat. 24R	0								
			Thru	Westlands Water District	2,741								
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	133	133	133	1	0				
			167.04	Westlands Water District	1,337								
			Thru										
			171.67										
		Check No. 21	172.40		90,585								
				Reach 7 Total:	4,319	4,319	0	0	0				
				SWP Construction Total:	0	0	0	0	0				
				Westlands WD Total:	35,231	35,231	0	0	0				
				City of Coalinga Total:	672	672	0	0	0				
				City of Huron Total:	110	110	0	0	0				
				Kings County to Lemoore NAS Through WWD	39	0	39	0	0				
				City of Avenal Total:	133	133	0	0	0				
				Total San Luis Field Division Deliveries:	52,109	51,923	41	80	65				

1/ GWF Energy - Henrietta Peaker Project from County of Kings to Westlands Water District

2/ Long-term POD from County of Kings to Lemoore Naval Air Base.

**Table 20. Consolidated State-Federal San Luis Canal 1/**

Daily Operations  
September 2008

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Aug 31	28,583								
1	28,601	18	107	3,026	75	22	692	2,095	-240
2	28,806	205	107	3,599	75	22	692	2,509	-305
3	28,508	-298	108	2,982	75	22	692	2,266	-185
4	28,523	15	108	2,958	75	21	692	1,955	-316
5	28,572	49	108	2,803	75	21	692	1,945	-154
6	29,000	428	108	2,978	75	21	692	1,864	-218
7	29,232	232	108	3,669	75	21	692	2,842	-30
8	28,174	-1,058	108	2,123	75	21	692	2,027	50
9	28,359	185	108	2,651	75	21	692	1,696	-182
10	28,764	405	108	2,671	75	21	692	1,511	-276
11	28,626	-138	108	2,200	75	21	672	1,474	-136
12	28,552	-74	108	2,357	75	21	672	1,664	-71
13	27,591	-961	108	1,802	75	21	643	1,684	28
14	28,238	647	108	4,333	75	21	642	3,574	197
15	28,494	256	108	2,249	75	21	692	1,633	193
16	29,088	594	108	2,154	75	21	621	1,195	-50
17	28,569	-519	108	1,454	75	21	620	1,121	13
18	28,734	165	108	1,536	66	21	583	882	-9
19	28,281	-453	108	1,292	66	21	515	995	-32
20	28,143	-138	108	1,334	66	21	515	894	-16
21	28,877	734	108	2,186	66	11	515	1,491	159
22	28,689	-188	108	1,210	66	11	515	983	162
23	27,900	-789	108	807	66	11	515	786	65
24	27,708	-192	108	985	66	9	515	527	-72
25	27,655	-53	108	1,037	69	21	515	556	-11
26	27,727	72	108	1,170	70	21	515	560	-76
27	27,946	219	108	1,221	70	21	515	637	25
28	27,930	-16	108	2,409	70	21	515	2,159	240
29	28,318	388	108	1,448	70	21	515	819	64
30	28,208	-110	108	1,863	69	21	515	1,327	-95
Total		-375	3,238	64,507	2,155	591	18,245	45,669	-1,278
Mean cfs		---	108	2,150	72	20	608	1,522	-43
Acre-feet		-375	6,423	127,950	4,275	1,173	36,188	90,585	-2,526

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 318 AF to Pacheco W.D., 145 AF to the City of Dos Palos and 3,812 AF to San Luis Water District.

3/ Includes 108 AF to the City of Huron, 133 AF to the City of Avenal, 672 AF to the City of Coalinga, 2 AF to City of Huron P&R @ 22R, 39 AF to Lemoore N.A.S. @ 29L, 2 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 1 AF to DFG @ 4L, 0 AF to Pilibos Wlidlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to DFG @ 7L, 0 AF Non-Project Water, 29,299 AF to Westlands Water District and 5,932 AF to Pleasant Valley Pumping Plant.

**Table 21. San Joaquin Field Division Plant Data**

(in acre-feet)

September 2008

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	566	566	91	82	91	3,760	3,718	3,486	3,470
2	504	488	66	64	70	4,170	3,740	3,525	3,422
3	449	435	81	71	80	3,807	3,218	3,062	2,946
4	602	575	124	115	124	3,608	3,243	3,029	2,995
5	433	439	60	55	61	3,443	3,037	2,788	2,697
6	420	445	98	90	96	3,350	2,850	2,760	2,697
7	470	467	110	100	110	6,659	7,202	6,807	6,978
8	452	427	67	61	67	3,600	3,019	2,713	2,632
9	524	485	98	89	96	3,148	2,783	2,619	2,608
10	485	445	78	72	78	3,610	3,084	2,969	2,914
11	467	434	122	112	120	3,240	3,030	2,731	2,632
12	417	424	58	52	59	3,364	3,016	2,811	2,729
13	353	376	91	84	91	3,271	3,317	3,113	3,054
14	405	429	107	97	107	7,552	7,920	7,649	7,735
15	312	317	71	66	71	3,661	3,341	3,100	3,035
16	388	365	84	77	83	2,700	2,500	2,265	2,185
17	358	338	93	86	93	2,534	2,223	2,043	1,953
18	269	225	82	74	81	2,251	1,860	1,681	1,664
19	275	324	87	80	87	2,161	1,911	1,803	1,664
20	258	254	87	79	86	1,838	1,772	1,693	1,767
21	250	249	74	66	72	4,017	4,624	4,287	4,297
22	207	218	87	82	87	2,042	1,910	1,646	1,582
23	185	204	86	78	85	1,703	1,624	1,490	1,467
24	206	204	85	76	83	1,708	1,710	1,582	2,024
25	210	155	92	85	93	1,748	1,518	1,547	1,369
26	237	180	86	78	86	1,831	1,254	1,529	1,446
27	323	277	93	85	91	1,775	1,633	1,518	1,440
28	357	312	100	92	100	4,067	4,499	4,302	4,402
29	243	194	95	88	95	2,578	2,286	2,127	2,078
30	316	253	94	85	93	2,763	2,632	2,508	2,463
Total	10,941	10,504	2,647	2,421	2,636	95,957	90,473	85,183	84,345

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

**September 2008**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending		Mile			Table A	USBR	Recovery	Dry Purchase	Pool A	CVP	Other		
	No.	Structure												
7	21	Check No. 21	172.40		90,585									
8C	22	172.66	Empire West Side ID TL - A	0		173								
			County of Kings TL - A	0										
			Tulare Lake Basin WSD TL-A	0										
8D		175.18	Dudley Ridge WD - 1	296			60 5	2/ 29 2/ 205 2/ 1,817 2/ 1 2/ 1,548	188 14 51	51	1/ 123			
		177.54	Dudley Ridge WD - 1B	217										
		180.64	Tulare Lake Basin WSD - C	0										
31A		180.65	Dudley Ridge WD - 1A	205										
		182.99	Dudley Ridge WD - 2	1,942										
		183.00	Tulare Lake Basin WSD TL - B	5										
8D		County of Kings TL-B	0											
			Dudley Ridge WD - Paramount	1										
			Coastal Branch	10,941										
8D		184.00	Dudley Ridge WD - 3	1,548			233 5	0 3,600 202 51 0	123	0 0 0 0 0	0 0 0 0 0			
		Dudley Ridge Reach 8D Total:	4,209											
			Tulare Lake Basin WSD Total:	5										
		Check No. 22	184.82											
9	23	189.69	Kern County Water Agency Lost Hills Water Dist. - 1	3,706				3/ 3,361 3/ 760 3/ 504 3/ 58 3/ 819			4/ 345			
		191.18	Kern County Water Agency Lost Hills Water Dist. - 2	760										
		194.22	Kern County Water Agency Lost Hills Water Dist. - 3	504										
		196.40	Kern County Water Agency Berrenda Mesa - 2	58										
		196.75	Kern County Water Agency Lost Hills Water Dist. - 4	819										
		KCWA Reach 9 Subtotal:		5,847										
10A	24	Check No. 23	197.05				0 3,949	0 3/ 527 3/ 441 3/ 8 3/ 2,199			345			
		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	527										
		202.05	Kern County Water Agency Lost Hills Water Dist. - 5	441										
		204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0										
		205.26	Kern County Water Agency Lost Hills Water Dist. - 8	8										
		Check No. 24	207.94											
10A	25	209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	2,582			0 3,949	0 3/ 527 3/ 441 3/ 8 3/ 2,199			5/ 383			
		209.78	Kern National Wildlife Refuge USBR BV-1B	3,949										
			Kern County Water Agency Buena Vista WSD 1B	0										
			KCWA Semitropic WD ST3	0										
		209.80	KCWA Semitropic WSD	0										
			KCWA Semitropic WSD Penstocks	0										
			USBR Total:	3,949										
		KCWA Reach 10A Subtotal:		3,558										

1/ General Conveyance

2/ Kern Water Bank Recovery.

3/ Recovery of same contractors pump-in.

4/ South Sutter General Conveyance.

5/ General Conveyance includes: 98 AF to Richvale ID, 197 AF to South Feather, and 88 AF to South Sutter.

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**September 2008**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					Table A	USBR	Recovery 2/	Dry Purchase	Pool A	CVP	Other		
	No.	Structure	Mile											
11B	25		210.75	Kern County Water Agency Belridge - 2	0			288						
			214.11	Kern County Water Agency Belridge - 3	288									
			216.62	Kern County Water Agency Belridge - 4	0									
			217.13	Kern County Water Agency Belridge - 5A-C	7,802									
				Kern County Water Agency Belridge - 5D	109									
		Check No. 25	217.79											
				KCWA Reach 11B Subtotal:	8,199	0	0	8,199	0	0	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0			448						
				Kern County Water Agency West Kern - 3	578									
		Check No. 26	224.92											
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0			9,720						
		Check No. 27	231.73											
	28		235.75	Kern County Water Agency Buena Vista - 2	0									
			238.04	Kern County WA CVC	9,720									
				Co. of Fresno	776									
				Hills Valley	860									
				Tri-Valley	292									
				Co. of Tulare	1,072									
				Kern-Tulare WD	5,400									
				Rag Gulch WD	1,320									
				Hacienda DWR Wells	0									
		Check No. 28	238.11											
				1/ Arvin Edison Total:	7,624	0	0	0	0	0	7,624	0		
				Reach 12E Subtotal:	19,440	0	0	9,720	0	0	9,720	0		
13B	29		238.19	Kern Water Bank Inflow	0									
				Kern Water Bank Outflow	0									
			241.02	Kern River Intertie (inflow)	0									
			242.85	KCWA Buena Vista WSD - 7	0									
				KCWA Buena Vista WSD - 5	0									
			243.09	Kern County Water Agency Buena Vista - 3	0									
			Check No. 29	244.54										
	30		249.85	KCWA Buena Vista - 4	0									
			Buena Vista Pumping Plant	250.99	95,957									
				KCWA Reach 13B Subtotal:	0	0	0	0	0	0	0	0		
14A	31		254.47	Kern County Water Agency West Kern - 2	0			239						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	239									

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Recovery of same contractors pump-in.

3/ Deliveries from CVC Contractors to Arvin Edison WSD.

4/ Article 55 deliveries to KCWA.

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**September 2008**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	USBR	Recovery 1/	Dry Purchase	Pool A	CVP	
	No.	Structure	Mile								
14A	31	Check No. 31	256.14								
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	501		246				
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,257		1,257				
			Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	1,997	0	0	1,742	0	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	2,644		2,644				
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	412		412				
			Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	2,504		2,504				
			Check No. 34	271.27							
				Reach 14B Total:	5,560	0	0	5,560	0	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,890		1,890				
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	680		680				
			277.30	Kern County Water Agency Arvin-Edison WSD	156		156				
				Reach 14C Total:	2,726	0	0	2,726	0	0	
15A	36		278.13		90,473						
			279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	421		421				
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	1,659		1,659				
				Reach 15A Total:	2,080	0	0	2,080	0	0	
16A	37		280.36		85,183						
			282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0						
			Check No. 37	283.95							
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	33		33				
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	23		23				
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
	39		287.09								
			287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	76		76				
	40		290.21								
			291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,119		1,119				
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	239		239				
				Kern County Water Agency Tehachapi Cummings CWD	1,075		1,075				
				KCWA Reach 16A Subtotal:	2,565	0	0	2,565	0	0	
17E		Edmonston Pumping Plant	293.45		84,345						

1/ Recovery of same contractors pump-in.

2/ General Conveyance includes: 194 AF to Western Canal, and 61 AF to South Feather.

**Table 23. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

**September 2008**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					Table A	USBR	Recovery	Dry Purchase	Pool A	CVP	Other		
	No.	Structure	Mile											
31A	C-1	Coastal Branch Control	0.02		10,941	272	2/ 4,079	106	3,408	1/ 256				
		Las Perillas Pumping Plant	1.16		10,941									
	C-2		3.79	Green Valley Water District	0									
		Badger Hill Pumping Plant	4.27		10,504									
	C-3	Coastal Check No. 3	7.21											
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0									
		Coastal Check No. 4	9.34											
	C-5	Coastal Check No. 5	12.20											
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	634									
			14.83	Kern County Water Agency Berrenda Mesa - 1	7,487									
				Kern County Water Agency Berrenda Mesa - PO	0									
		Devil's Den Pumping Plant	14.86		2,647									
				KCWA Reach 31A Subtotal:	8,121	272	0	4,079	3,514	0	0	256		
				KCWA Total:	60,671	402	0	45,796	3,514	0	9,720	1,239		
33A	C-7	Bluestone Pumping Plant	19.05		2,421	745	229	40	3/ 1,625					
	C-8	Polonio Pass Pumping Plant	26.54		2,636									
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0									
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,410									
		Tank Site 2	58.63	Central Coast:	0									
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	229									
		Energy Dissipater	78.12											
		Lopez T.O.	85.86	SLOCFC & WCD	0									
35	C-12			CCWA Total:	2,639	974	0	0	0	40	0	1,625		
		Guadalupe T.O.	102.70	SBCFC & WCD	0									
		Santa Maria T.O.	107.43	SBCFC & WCD	0									
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0									
38				SBCFC & WCD Total:	0	0	0	0	0	0	0	0		
		Tank Site 5	115.42											

1/ South Feather General Conveyance.

2/ Recovery of same contractors pump-in.

3/ Transfer from San Luis Obispo to Santa Barbara (CCWA).

**Table 24. Southern Field Division Plant Data**

(in acre-feet)

September 2008

Date	West Branch						East Branch								East Branch Extension			
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Bypass Through Plant	Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume							
28	1	1,641	1,849	0	0	4,112	2,763	1,488	0	0	1,351	1,475	0	0	1,608	37	22	0
	2	1,854	1,800	0	0	5,406	1,667	1,678	0	0	1,543	1,555	0	0	1,300	57	40	6
	3	1,588	1,739	0	0	3,843	1,934	1,546	0	0	1,313	1,375	0	0	1,197	74	59	13
	4	1,431	2,446	0	0	3,019	1,431	1,334	0	0	1,650	921	0	0	1,493	82	66	27
	5	1,313	2,085	0	0	4,844	980	1,199	0	0	1,002	1,022	0	0	1,340	70	55	26
	6	1,374	2,074	0	0	1,590	1,218	1,274	0	0	1,000	1,053	0	0	1,143	37	24	0
	7	4,503	1,747	0	0	2,034	2,439	2,387	0	0	2,104	1,837	0	0	1,355	46	30	14
	8	1,365	1,996	0	0	3,930	1,578	1,097	0	0	1,022	1,041	0	0	1,500	71	56	14
	9	1,484	2,022	0	0	4,507	1,604	1,515	0	0	1,057	1,027	0	0	1,400	86	79	16
	10	1,484	2,081	0	0	4,739	1,653	1,587	0	0	1,204	1,074	0	85	1,530	75	73	28
	11	1,274	2,082	0	0	4,549	1,583	1,493	0	0	1,118	831	0	164	1,516	75	74	24
	12	1,159	671	0	0	4,099	1,079	1,346	0	0	1,002	1,193	0	0	1,719	65	64	15
	13	1,381	1,698	0	0	2,344	2,672	1,458	0	0	1,058	1,114	0	0	1,374	60	59	16
	14	4,169	2,024	0	0	1,147	2,533	2,970	0	430	3,273	4,197	0	0	1,435	60	59	16
	15	1,746	0	0	0	2,593	1,012	880	0	314	1,459	1,466	0	0	1,660	60	59	15
	16	318	0	0	0	1,984	2,166	0	0	1,711	1,580	1,834	0	0	1,654	61	59	15
	17	0	0	0	0	1,606	1,043	0	0	1,719	1,577	1,652	0	0	1,721	73	73	26
	18	0	0	0	0	2,063	1,019	0	0	1,744	1,564	1,417	0	0	1,702	81	79	24
	19	0	0	0	0	1,770	1,065	0	0	1,314	978	864	0	0	1,615	81	79	16
	20	0	0	0	0	30	1,012	0	0	1,426	1,108	1,276	0	0	1,485	65	64	17
	21	0	0	0	0	989	2,475	0	0	3,960	3,987	3,491	0	0	1,587	61	59	16
	22	0	0	0	0	2,859	1,722	0	0	1,422	1,328	1,614	0	0	1,630	61	59	15
	23	0	0	0	0	2,584	1,790	0	0	1,331	1,295	1,369	0	0	1,419	61	59	14
	24	0	0	0	0	1,597	923	0	0	1,321	1,270	1,239	0	0	1,637	77	74	27
	25	0	0	0	0	1,384	800	0	0	1,232	1,153	1,238	0	0	1,613	82	79	25
	26	0	0	0	0	1,569	1,215	0	0	1,232	1,203	1,236	0	0	1,747	82	79	16
	27	0	0	0	0	2,363	2,940	0	0	1,347	1,223	1,240	0	0	1,393	30	30	8
	28	0	0	0	0	1,209	2,754	0	0	3,769	3,406	2,939	0	0	1,334	60	58	16
	29	763	1,366	0	0	3,737	2,166	0	0	1,298	1,279	1,558	0	0	1,522	60	58	15
	30	841	1,523	0	0	3,311	926	0	0	1,595	1,625	1,510	0	0	1,332	60	58	14
Total	29,688	29,203	0	0	81,811	50,162	23,252	0	27,165	45,732	45,658	0	249	44,961	1,950	1,786	494	

1/ Values supplied by LADWP, not verified by DWR.

**Table 25. Pyramid Lake**

Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project			Natural	Project			Natural		
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	To Piru Creek	United Water Agency		
Aug 31	2574.87	165,892											
1	2575.34	166,490	598	2,763	1,849	0	10	4,112	0	10	0	98	
2	2573.69	164,396	-2,094	1,667	1,800	0	9	5,406	0	9	0	-155	
3	2573.40	164,030	-366	1,934	1,739	0	9	3,843	0	9	0	-196	
4	2574.20	165,042	1,012	1,431	2,446	0	9	3,019	1	9	0	155	
5	2572.52	162,923	-2,119	980	2,085	0	9	4,844	0	9	0	-340	
6	2573.93	164,700	1,777	1,218	2,074	0	9	1,590	0	8	0	74	
7	2575.78	167,051	2,351	2,439	1,747	0	9	2,034	0	8	0	198	
8	2575.43	166,604	-447	1,578	1,996	0	9	3,930	0	8	0	-92	
9	2574.58	165,523	-1,081	1,604	2,022	0	9	4,507	0	7	0	-202	
10	2573.73	164,447	-1,076	1,653	2,081	0	9	4,739	0	7	0	-73	
11	2573.29	163,892	-555	1,583	2,082	0	9	4,549	0	7	0	327	
12	2571.34	161,445	-2,447	1,079	671	0	9	4,099	0	7	0	-100	
13	2573.14	163,703	2,258	2,672	1,698	0	9	2,344	0	7	0	230	
14	2576.11	167,472	3,769	2,533	2,024	0	9	1,147	0	7	0	357	
15	2574.57	165,511	-1,961	1,012	0	0	9	2,593	0	7	0	-382	
16	2574.73	165,714	203	2,166	0	0	9	1,984	1	7	0	20	
17	2574.60	165,549	-165	1,043	0	0	9	1,606	0	7	0	396	
18	2573.71	164,422	-1,127	1,019	0	0	9	2,063	0	7	0	-85	
19	2573.20	163,778	-644	1,065	0	0	9	1,770	0	7	0	59	
20	2574.00	164,788	1,010	1,012	0	0	9	30	0	7	0	26	
21	2575.30	166,439	1,651	2,475	0	0	10	989	0	7	0	162	
22	2574.22	165,067	-1,372	1,722	0	0	10	2,859	0	7	0	-238	
23	2573.55	164,220	-847	1,790	0	0	10	2,584	0	7	0	-56	
24	2572.99	163,514	-706	923	0	0	10	1,597	1	7	0	-34	
25	2572.54	162,948	-566	800	0	0	10	1,384	0	7	0	15	
26	2572.31	162,659	-289	1,215	0	0	10	1,569	0	7	0	62	
27	2572.79	163,262	603	2,940	0	0	10	2,363	0	7	0	23	
28	2574.20	165,042	1,780	2,754	0	0	10	1,209	1	7	0	233	
29	2573.69	164,396	-646	2,166	1,366	0	10	3,737	0	6	0	-445	
30	2572.97	163,489	-907	926	1,523	0	10	3,311	0	6	0	-49	
Total				-2,403	50,162	29,203	0	281	81,811	4	222	0	-12

1/ Values supplied by LADWP, not verified by DWR.

**Table 26. Elderberry Forebay**

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
				Natural	Project 1/					
Aug 31	1514.03	20,767								
1	1512.66	20,222	-545	4,112	0	2,763	0	1,917	23	
2	1516.28	21,683	1,461	5,406	0	1,667	0	2,255	-23	
3	1512.77	20,266	-1,417	3,843	0	1,934	0	3,325	-1	
4	1509.66	19,054	-1,212	3,019	0	1,431	0	2,801	1	
5	1512.04	19,978	924	4,844	0	980	0	2,941	1	
6	1512.78	20,270	292	1,590	0	1,218	0	0	-80	
7	1511.45	19,746	-524	2,034	0	2,439	0	0	-119	
8	1512.27	20,068	322	3,930	0	1,578	0	2,031	1	
9	1512.04	19,978	-90	4,507	0	1,604	0	2,994	1	
10	1512.40	20,119	141	4,739	0	1,653	0	2,943	-2	
11	1512.21	20,045	-74	4,549	0	1,583	0	3,042	2	
12	1512.98	20,349	304	4,099	0	1,079	0	2,624	-92	
13	1512.00	19,962	-387	2,344	0	2,672	0	0	-59	
14	1508.20	18,498	-1,464	1,147	0	2,533	0	0	-78	
15	1512.08	19,993	1,495	2,593	0	1,012	0	0	-86	
16	1511.32	19,696	-297	1,984	0	2,166	0	0	-115	
17	1512.43	20,131	435	1,606	0	1,043	0	0	-128	
18	1514.72	21,047	916	2,063	0	1,019	0	0	-128	
19	1516.10	21,609	562	1,770	0	1,065	0	0	-143	
20	1513.82	20,684	-925	30	0	1,012	0	0	57	
21	1509.56	19,015	-1,669	989	0	2,475	0	0	-183	
22	1512.45	20,139	1,124	2,859	0	1,722	0	0	-13	
23	1514.22	20,845	706	2,584	0	1,790	0	0	-88	
24	1515.63	21,417	572	1,597	0	923	0	0	-102	
25	1516.94	21,955	538	1,384	0	800	0	0	-46	
26	1517.66	22,254	299	1,569	0	1,215	0	0	-55	
27	1516.23	21,662	-592	2,363	0	2,940	0	0	-15	
28	1512.19	20,037	-1,625	1,209	0	2,754	0	0	-80	
29	1511.31	19,692	-345	3,737	0	2,166	0	1,982	66	
30	1512.34	20,096	404	3,311	0	926	0	1,982	1	
Total				-671	81,811	0	50,162	0	30,837	-1,483

1/ Values supplied by LADWP, not verified by DWR.

**Table 27. Castaic Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Aug 31	1502.58	296,635								
1	1502.37	296,189	-446	0	1,917	0	2,154	0	-209	
2	1502.41	296,274	85	0	2,255	0	2,171	0	1	
3	1503.01	297,548	1,274	0	3,325	0	2,129	0	78	
4	1503.17	297,889	341	0	2,801	0	2,233	0	-227	
5	1503.58	298,762	873	0	2,941	0	2,110	0	42	
6	1502.45	296,359	-2,403	0	0	0	2,152	0	-251	
7	1501.70	294,770	-1,589	0	0	0	2,079	0	490	
8	1501.53	294,410	-360	0	2,031	0	2,056	0	-335	
9	1501.97	295,341	931	0	2,994	0	2,014	0	-49	
10	1502.41	296,274	933	0	2,943	0	1,976	0	-34	
11	1502.81	297,123	849	0	3,042	0	2,048	0	-145	
12	1503.10	297,740	617	0	2,624	0	2,096	0	89	
13	1502.14	295,701	-2,039	0	0	0	1,928	0	-111	
14	1501.22	293,755	-1,946	0	0	0	2,120	0	174	
15	1500.30	291,817	-1,938	0	0	0	1,977	0	39	
16	1499.37	289,865	-1,952	0	0	0	1,992	0	40	
17	1498.49	288,025	-1,840	0	0	0	1,859	0	19	
18	1497.62	286,213	-1,812	0	0	0	1,824	0	12	
19	1496.77	284,449	-1,764	0	0	0	1,869	0	105	
20	1495.86	282,568	-1,881	0	0	0	1,856	0	-25	
21	1494.98	280,756	-1,812	0	0	0	1,847	0	35	
22	1494.14	279,032	-1,724	0	0	0	1,869	0	145	
23	1493.26	277,233	-1,799	0	0	0	1,826	0	27	
24	1492.30	275,279	-1,954	0	0	0	1,954	0	0	
25	1491.38	273,413	-1,866	0	0	0	1,970	0	104	
26	1490.38	271,394	-2,019	0	0	0	2,007	0	-12	
27	1489.42	269,464	-1,930	0	0	0	1,969	0	39	
28	1488.46	267,539	-1,925	0	0	0	1,970	0	45	
29	1488.49	267,599	60	0	1,982	0	1,810	0	-112	
30	1488.54	267,699	100	0	1,982	0	1,917	0	35	
Total				-28,936	0	30,837	0	59,782	0	9

1/ Values supplied by LADWP, not verified by DWR.

**Table 28. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

**September 2008**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Structure			Table A	Recreation	Article 56C	Dry Purchase	Recovery	Other	
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		29,688							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Removed							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	29,203							
29H	W3	Pyramid Lake		USFS								
				Pyramid Recreation (T300)	4							
				United WA (T300)	0							
29J	W4	Pyramid Dam	17.10	California State Park Piru Fish (T300)	0							
		Castaic Power Plant	25.82	( 50,162 AF pumpback ) 2/	81,811							
		Elderberry Forebay										
30 1/	W5	Forebay Dam	28.12									
		Castaic Lake		California State Park								
				Castaic Lake Recreation (T301)	22							
		Castaic Dam	31.47									
		Castaic Lake Outlet	31.6	MWD 78" & 132" (T302)	55,195							
				Castaic Lake WA 18", 24" & 54" (T303)	2,242							
				Castaic Lake WA Rio Vista T.P. (T304)	2,169							
				MWD-Ventura Co. WPD (T302)	154							
				Releases to Lagoon	0							
				Reach 30 Subtotal:	59,782							
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0							
		Castaic Lagoon Outlet	31.9		180							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

3/ Includes 629 Af of Kern Delta Recovery and 1,819 AF of Arvin Edison Recovery.

4/ General Conveyance Water includes: 962 AF South Butte WD and 1,254 AF Sutter Extension WD. Also includes 30,000 AF of Flexible Withdrawal.

5/ Kern County WA's SWP water exchanged to Castaic Lake Water Agency.

**Table 29. Silverwood Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project		Del. To Mojave W.A.	Natural To Mojave River				
Aug 31	3351.93	72,006												
1	3351.63	71,720	-286	1,475	0	0	8	0	1,608	0	0	-145	10	
2	3351.93	72,006	286	1,555	0	0	7	0	1,300	0	0	38	10	
3	3352.05	72,121	115	1,375	0	0	6	1	1,197	0	1	-55	10	
4	3351.46	71,558	-563	921	0	0	7	0	1,493	0	0	16	10	
5	3351.06	71,178	-380	1,022	0	0	6	0	1,340	0	0	-56	10	
6	3350.95	71,074	-104	1,053	0	0	4	1	1,143	0	1	-8	10	
7	3351.54	71,634	560	1,837	0	0	5	0	1,355	0	0	83	10	
8	3350.92	71,045	-589	1,041	0	0	4	0	1,500	0	0	-126	10	
9	3350.50	70,648	-397	1,027	0	0	4	1	1,400	0	1	-18	9	
10	3350.05	70,223	-425	1,074	85	0	4	0	1,530	0	0	-50	8	
11	3349.43	69,641	-582	831	164	0	5	0	1,516	0	0	-56	9	
12	3348.45	68,725	-916	1,193	0	0	3	1	1,719	0	1	-385	10	
13	3348.20	68,493	-232	1,114	0	0	5	0	1,374	0	0	33	10	
14	3349.91	70,092	1,599	4,197	0	0	5	0	1,435	0	0	-1,158	10	
15	3349.58	69,782	-310	1,466	0	0	4	1	1,660	0	1	-110	5	
16	3349.86	70,045	263	1,834	0	0	5	0	1,654	0	0	88	4	
17	3349.91	70,092	47	1,652	0	0	5	0	1,721	0	0	121	3	
18	3349.52	69,725	-367	1,417	0	0	6	1	1,702	0	1	-74	3	
19	3348.76	69,014	-711	864	0	0	7	0	1,615	0	0	47	8	
20	3348.54	68,809	-205	1,276	0	0	6	0	1,485	0	0	10	10	
21	3350.45	70,601	1,792	3,491	0	0	5	1	1,587	0	1	-105	10	
22	3350.45	70,601	0	1,614	0	0	6	0	1,630	0	0	22	10	
23	3350.36	70,516	-85	1,369	0	0	5	1	1,419	0	0	-29	10	
24	3349.97	70,148	-368	1,239	0	0	7	0	1,637	0	1	38	10	
25	3349.43	69,641	-507	1,238	0	0	6	0	1,613	0	0	-126	10	
26	3348.87	69,117	-524	1,236	0	0	5	1	1,747	0	0	-7	10	
27	3348.76	69,014	-103	1,240	0	0	4	0	1,393	0	1	55	10	
28	3350.50	70,648	1,634	2,939	0	0	3	1	1,334	0	0	33	10	
29	3350.56	70,705	57	1,558	0	0	4	0	1,522	0	0	25	10	
30	3350.81	70,941	236	1,510	0	0	4	0	1,332	0	1	63	10	
Total				-1,065	45,658	249	0	155	10	44,961	0	10	-1,836	260

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

**Table 30. Lake Perris**

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

**September 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Aug 31	1559.62	68,235				
1	1559.56	68,126	-109		5	
2	1559.59	68,181	55		5	
3	1559.48	67,982	-199		5	
4	1559.48	67,982	0		5	
5	1559.37	67,784	-198		5	
6	1559.45	67,928	144		5	
7	1559.45	67,928	0		5	
8	1559.45	67,928	0		5	
9	1559.37	67,784	-144		5	
10	1559.40	67,838	54		5	
11	1559.51	68,036	198		5	
12	1559.45	67,923	-113		5	
13	1559.51	68,036	113		5	
14	1559.45	67,928	-108		6	
15	1559.45	67,928	0		5	
16	1559.67	68,325	397		5	
17	1559.62	68,235	-90		6	
18	1559.67	68,325	90		5	
19	1559.75	68,470	145		5	
20	1559.59	68,181	-289		5	
21	1559.70	68,379	198		5	
22	1559.81	68,578	199		5	
23	1559.81	68,578	0		5	
24	1559.75	68,470	-108		5	
25	1559.70	68,379	-91		5	
26	1559.75	68,470	91		6	
27	1559.78	68,524	54		5	
28	1559.78	68,524	0		5	
29	1559.78	68,524	0		6	
30	1559.78	68,524	0		6	
Total		289		2,362	155	-1,918

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

**Table 31. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

**September 2008**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Recre-ation	Article 56C	Dry Purchase	Recov-ery	Other	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45	84,345							
	41		298.65		KCWA Tej.-Cas	Stub					
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
18A	43	Alamo Powerplant	305.73	(Includes 23,252 AF generation, 0 AF plant bypass, and 27,165 AF Tehachapi bypass)	50,417						
			306.71	AVEK 305th Street West (T287)							
19	44		308.05	AVEK 294th Street West (T267)	0						
		Check No. 43	309.70								
	44		311.84	LADWP Connection	0						
		Check No. 44	313.50	AVEK 245th Street West (T269)							
	45		314.81		0						
		Check No. 45	314.93	AVEK 235th Street West (T270)							
	46		315.57	AVEK 225th Street West (T271)	0						
		Check No. 46	319.74								
				AVEK Fairmont (T272)	1,038						
			323.19	Mojave Water Agency Fairmont (T272)	179						
			323.84								
				Reach 19 Total:	1,217						
	47	Check No. 47	326.77								
20A	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	98	98					
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved						
	49	Check No. 49	330.82								
	50		335.93								
20B	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	4,086	3,473				1/ 613	
			339.68	AVEK Rancho Vista (T275)	94						
			340.92	AVEK WA-Temp (T387)	0						
	51	Check No. 50	341.51								
			342.06	AVEK WA-Temp (T386)	0						
	52		342.07								
	53		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0						
		Check No. 52	343.74								
			346.98	Palmdale WD (T276) Temp.	1,852						
21	53		348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	131	94			74	2/ 1,778	
			348.17								
			349.52	Palmdale WD (T394) Temp.	0						
	54	Check No. 54	350.25								
	55	Check No. 55	352.70								
	56	Check No. 56	354.76								
	57		354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0						
			354.97	Palmdale WD (T276)	0						
22A	58		354.97	Palmdale WD (T391)	0	461			94		
		Check No. 57	356.93								
			357.60	AVEK 95th Street East (T279)	94						
			357.72	AVEK 96th Street East (T280)	0						
			359.76	AVEK East Side Treatment Plant (T281)	461						

1/ General Conveyance Water includes: 254 AF from South Feather WA, 49 AF from Richvale WD, 214 AF from South Sutter WD, and 96 AF from Western Canal ID.

2/ General Conveyance Water includes: 123 AF from South Feather WA, 23 AF from Richvale WD, 104 AF from South Sutter WD, and 46 AF from Western Canal ID. Also includes 1,482 AF of Table A Transfer Water from Butte County.

**Table 31. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

**September 2008**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			Table A	Recreation	Article 56C	Dry Purchase	Recovery	Other		
	No.	Structure											
22B	58	Pearblossom Pumping Plant	360.61		45,732	53	175	1/ 260	10	146	2/ 9		
	59	Check No. 59	366.09										
	60		366.50	AVEK Big Rock Siphon (T368)	0								
		Check No. 60	373.94										
	61	Check No. 61	379.00										
	62	Check No. 62	384.26										
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282)	53								
		Check No. 63											
	64	Check No. 64	395.10										
	65	Check No. 65	400.32										
23	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	175								
		Check No. 66	403.41										
		Mojave Siphon	405.58	Las Flores Ranch Exchange	260								
24		Mojave Siphon Powerplant	405.65		45,658								
	67	Silverwood Lake	407.65	MWA CS DAM (T288)	0								
				California State Park Silverwood (T288)	10								
			407.70	Crestline-Lake Arrowhead WA State Project Water (T289)	0								
				Non-Project Water (T289)	155								
25		San Bernardino Intake Tunnel			44,961								
		Devil Canyon Powerplant	412.73		44,961								
26A	68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	23,667	6/ 5,574	34	3/ 7,642	4/ 5,985	427	5/ 2,775		
				MWD-Rialto (T293)	0								
				Desert Water Agency Transfer (T293)	427								
				Coachella Valley WD Transfer (T293)	2,947								
				MWD EBX-1 (T290)	0								
				MWD EBX-1 (T291)	0								
				East Branch Extension	6,293								
				San Bernardino Valley MWD	34								
			425.46										
28G	69	Santa Ana Valley Pipeline	440.05	MWD-SC Box Springs (T295)	9,075	9,075	920	7/ 423	8/ 296	172	5/ 2,775		
				Desert Water Agency Transfer (T296)	0								
				Coachella Valley WD Transfer (T296)	0								
				MWD-SC Perris Bypass Pipeline (T296)	920								
28J		Lake Perris	442.00	MWD-SC (T297)	155	155	0	0	4,122	10,090	40,976		
				MWD-SC 54" & 78" (T299)	0								
				Calif. State Park									
				Lake Perris Recreation (T298)	0								
				MWD Total:	92,574	37,386	0	0	4,122	10,090	40,976		

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ San Bernardino Valley MWD stored 2005 Table A water transferred to Crestline-Lake Arrowhead WA.

3/ Semitropic Water Bank Recovery.

4/ General Conveyance Water includes: 2,483 AF from South Feather WA, 470 AF from Richvale WD, 2,091 AF from South Sutter WD, and 941 AF from Western Canal ID.

5/ General Conveyance of Kern County WA non-project water - "Nickel Water".

6/ Includes 1,505 AF to San Gabriel Valley MWD, 3,590 AF to San Bernardino Valley MWD, and 479 AF to San Gorgonio Pass WA.

7/ Includes 0 AF to San Gabriel Valley MWD, 361 AF to San Bernardino Valley MWD, and 62 AF to San Gorgonio Pass WA.

8/ General Conveyance Water to San Bernardino Valley MWD includes: 123 AF from South Feather WA, 23 AF from Richvale WD, 104 AF from South Sutter WD, and 46 AF from Western Canal ID.

**Table 32. Water Quality At Selected SWP Locations**

September 2008

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO <sub>3</sub>	44	95	101	72	86	74	70	71	80
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.004
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.04	0.38	0.37	0.31	0.34	0.26	0.31	0.24
Calcium	mg/l	9	16	28	15	21	19	22	22	24
Chloride	mg/l as C	1.0	12.0	110.0	112.0	96.0	99.0	74.0	91.0	72.0
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0	0.0	0.0
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	<0.1	NR	NR	NR	NR	NR	<0.1	NR	NR
Hardness	mg/l	39.000	89.000	144.000	95.000	114.000	105.000	92.000	96.000	105.000
Iron	mg/l	0.0	0.0	<0.005	0.0	0.0	<0.005	<0.005	0.0	<0.005
Lead	mg/l as CaCO <sub>3</sub>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4.000	12.000	18.000	14.000	15.000	14.000	9.000	10.000	11.000
Manganese	mg/l	<0.005	0.011	<0.005	0.030	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	NR	0	0	0	1	0	0
Organic Carbon, Dissolved	mg/l	NR	3.000	3.000	2.900	3.400	2.600	2.000	2.100	0.000
Organic Carbon, Total	mg/l as N	NR	3.00	3.20	3.10	4.00	2.80	2.20	2.10	0.00
Phosphate-Ortho	mg/l as P	<0.01	0.10	NR	0.08	0.08	0.08	NR	0.03	0.06
Phosphorus-Total	mg/l	<0.01	0.16	NR	0.12	0.13	0.10	0.06	0.06	0.07
Selenium	mg/l	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	4	17	74	67	63	72	54	68	53
Specific Conductance	µS/cm	101	263	694	580	560	602	481	534	487
Sulfate	mg/l	2	12	60	25	38	53	42	50	42
Total Dissolved Solids	mg/l	56	147	382	325	311	333	265	303	NR
Turbidity	NTU	2	47	7	3	9	2	2	4	1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

**Table 33. Water Quality At Selected Delta Stations**

**September 2008**

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millisiemens/cm									Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	5.77	4.11	4,340	3,423	6,222	4.54	11.57	1.28	1.93	1.58	1.55	0.54	0.46	0.55	156
2	5.77	4.09	4,491	3,472	6,280	4.60	11.60	1.71	1.93	1.63	1.57	0.53	0.47	0.55	168
3	5.81	4.12	3,761	3,503	5,855	4.83	11.70	1.76	1.94	1.52	1.59	0.55	0.49	0.54	173
4	5.99	4.22	3,469	3,512	5,647	5.17	11.71	2.00	1.97	1.77	1.63	0.56	0.52	0.54	174
5	6.09	4.35	3,274	3,521	5,532	5.49	12.65	2.08	2.01	1.91	1.67	0.58	0.52	0.53	170
6	6.15	4.46	3,875	3,558	5,937	5.64	12.74	2.27	2.04	2.06	1.71	0.57	0.48	0.53	172
7	6.31	4.62	4,513	3,624	6,403	5.94	13.80	2.42	2.08	2.24	1.76	0.57	0.46	0.53	171
8	6.34	4.80	4,301	3,667	6,195	6.31	14.67	2.44	2.10	2.31	1.81	0.54	0.43	0.54	166
9	6.44	4.86	4,073	3,683	5,764	6.42	15.12	2.55	2.14	2.38	1.87	0.55	0.41	0.53	171
10	6.28	4.63	4,907	3,720	5,365	5.72	13.82	2.27	2.17	2.11	1.90	0.55	0.44	0.52	175
11	6.21	4.45	5,716	3,791	5,761	5.08	12.80	1.97	2.17	1.89	1.92	0.55	0.47	0.52	175
12	6.25	4.43	6,246	3,871	5,750	4.75	12.71	1.79	2.13	1.78	1.92	0.57	0.47	0.51	173
13	6.15	4.53	6,519	3,962	5,571	4.35	11.89	1.73	2.06	1.61	1.90	0.58	0.46	0.52	177
14	5.70	4.18	6,628	4,058	5,597	4.18	11.11	1.59	1.99	1.47	1.88	0.58	0.49	0.53	174
15	5.75	4.20	6,464	4,141	5,490	3.57	10.42	1.36	2.00	1.35	1.86	0.60	0.55	0.55	179
16	5.89	4.28	5,552	4,199	5,305	3.54	10.72	1.50	1.98	1.34	1.84	0.63	0.52	0.55	175
17	6.04	4.26	5,122	4,237	5,140	3.59	11.00	1.64	1.97	1.31	1.82	0.65	0.56	0.58	181
18	6.18	4.21	4,789	4,261	4,899	3.44	10.05	1.38	1.93	1.21	1.78	0.62	0.59	0.58	180
19	6.26	4.22	4,892	4,312	4,953	3.54	10.20	1.37	1.88	1.22	1.73	0.62	0.58	0.58	180
20	6.38	4.29	4,451	4,345	4,731	3.67	10.27	1.46	1.82	1.24	1.68	0.65	0.57	0.57	182
21	6.44	4.37	4,343	4,362	4,697	3.56	10.31	1.53	1.76	1.26	1.61	0.65	0.56	0.58	187
22	6.18	4.28	4,598	4,370	4,588	3.18	9.33	1.30	1.67	1.09	1.52	0.63	0.60	0.58	177
23	6.02	4.15	4,387	4,375	4,831	3.06	8.73	1.15	1.57	1.07	1.42	0.64	0.65	0.57	178
24	5.99	4.07	3,678	4,396	4,596	3.15	9.02	1.30	1.51	1.06	1.35	0.63	0.66	0.56	180
25	5.82	4.06	3,376	4,420	4,327	3.32	9.60	1.39	1.46	1.09	1.29	0.64	0.61	0.57	180
26	5.87	4.02	3,615	4,436	4,456	3.34	9.58	1.40	1.44	1.08	1.24	0.63	0.58	0.58	188
27	5.74	3.96	3,557	4,461	4,394	3.42	9.99	1.35	1.41	1.07	1.21	0.63	0.55	0.57	191
28	5.57	4.04	3,246	4,472	4,191	3.54	10.23	1.50	1.40	1.08	1.18	0.62	0.55	0.55	197
29	5.79	4.15	2,618	4,459	3,700	3.75	11.11	1.81	1.43	1.09	1.16	0.60	0.54	0.53	199
30	5.71	4.00	2,588	4,446	3,625	3.43	10.52	1.65	1.44	1.12	1.14	0.58	0.55	0.52	205

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP**

**September 2008**

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 17, 2008	Atrazine	0.11
California Aqueduct At Banks Pumping Plant	June 18, 2008	Diuron Metolachlor Simazine	0.25 0.20 0.02
O'Niell Forebay Outlet Check 13	June 18, 2008	Diuron Simazine	0.27 0.03
Delta Mendota Canal At McCabe Road	June 18, 2008	Diuron Metolachlor	0.29 0.10
California Aqueduct Near Kettleman City (Check 21)	June 17, 2008	Diuron Simazine	0.27 0.03
California Aqueduct At Near Highway 119 (Check 29)	June 17, 2008	Simazine	0.03
California Aqueduct at Tehachapi Afterbay (Check 41)	June 18, 2008	Diuron Simazine	0.25 0.03
California Aqueduct At Devil Canyon Headworks	June 18, 2008	Diuron Simazine	0.40 0.10

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

**Table 35. Oroville and Delta Field Divisions Energy Data**

(in kWh)

**September 2008**

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	1,214,230	12,910	49,100	45,700	1,113,080	1,113,080	443,330	390
2	2,495,530	10,450	49,620	50,250	1,114,170	1,114,170	387,410	390
3	1,862,050	14,750	47,790	48,380	1,160,690	1,160,690	247,210	410
4	2,921,400	12,110	48,700	45,430	1,098,450	1,098,450	224,400	430
5	1,819,530	14,950	52,460	48,500	1,092,370	1,092,370	361,170	440
6	2,126,010	13,400	55,690	47,100	1,058,680	1,058,680	371,880	440
7	2,405,720	10,000	53,390	48,260	1,108,830	1,108,830	336,870	440
8	1,280,170	16,830	49,130	46,700	1,115,410	1,115,410	361,320	420
9	2,008,040	11,910	48,380	49,820	902,400	902,400	393,300	410
10	1,951,870	9,580	48,390	45,660	843,980	843,980	388,630	400
11	3,612,360	690	48,470	47,540	444,800	444,800	403,320	460
12	3,686,770	1,000	44,080	45,340	332,300	332,300	405,870	400
13	4,500,130	0	40,480	42,540	331,620	331,620	384,440	480
14	934,220	8,630	41,410	43,940	331,810	331,810	377,690	510
15	2,622,630	2,300	42,290	45,400	322,000	322,000	383,580	500
16	3,155,770	1,440	44,790	48,720	330,740	330,740	386,630	500
17	3,089,410	0	37,040	48,940	354,040	354,040	398,410	520
18	3,593,970	0	23,930	44,890	348,070	348,070	397,290	550
19	1,031,600	5,190	28,540	46,880	339,220	339,220	390,440	540
20	644,850	14,900	39,830	48,590	8,880	8,880	380,690	510
21	823,920	13,970	42,930	46,100	646,950	646,950	374,180	560
22	930,730	11,720	41,740	45,490	331,700	331,700	385,250	530
23	881,200	11,630	43,120	48,450	383,370	383,370	378,320	490
24	981,540	13,480	44,250	48,590	347,040	347,040	379,680	410
25	2,595,220	6,150	41,500	45,100	338,080	338,080	382,590	410
26	531,870	11,110	40,360	47,130	331,210	331,210	385,250	420
27	1,329,440	0	42,770	48,330	328,510	328,510	381,850	420
28	856,880	15,600	42,730	46,590	327,980	327,980	378,730	420
29	1,056,560	11,330	42,960	48,960	329,930	329,930	391,140	400
30	813,890	2,070	43,150	48,780	330,990	330,990	372,880	480
Total	57,757,510	258,100	1,319,020	1,412,100	17,447,300	17,447,300	11,233,750	13,680

**Table 36. San Luis Field Division Energy Data**

September 2008

(in kWh)

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	789,550	549,550	0	0	215,230	15,230
2	944,820	688,820	0	0	217,910	17,910
3	806,940	550,940	0	0	218,270	18,270
4	780,050	524,050	266,200	266,200	406,970	6,970
5	741,460	485,460	191,650	191,650	360,660	10,660
6	776,610	520,610	192,580	192,580	211,870	11,870
7	956,730	716,730	133,690	133,690	654,280	404,280
8	557,460	301,460	0	0	361,450	11,450
9	691,550	435,550	0	0	164,620	14,620
10	685,290	429,290	77,200	77,200	353,870	3,870
11	577,270	321,270	292,090	292,090	157,740	7,740
12	643,020	387,020	498,980	258,980	8,400	8,400
13	478,260	222,260	375,100	135,100	11,780	11,780
14	1,137,590	897,590	637,580	637,580	11,470	11,470
15	597,590	341,590	231,850	231,850	13,570	13,570
16	577,630	321,630	499,930	3,930	6,670	6,670
17	391,910	135,910	200,390	200,390	692,370	692,370
18	417,300	161,300	273,710	273,710	14,320	14,320
19	346,900	90,900	221,870	221,870	15,280	15,280
20	356,550	100,550	113,840	113,840	15,160	15,160
21	570,580	330,580	161,450	106,450	14,950	14,950
22	325,920	69,920	159,350	104,350	306,670	306,670
23	215,700	95,700	44,870	-10,130	15,790	15,790
24	262,980	142,980	0	0	407,840	357,840
25	281,980	161,980	0	0	602,560	402,560
26	315,050	251,050	0	0	410,850	210,850
27	332,040	268,040	0	0	407,840	207,840
28	641,470	569,470	381,510	381,510	9,460	9,460
29	392,550	328,550	173,230	173,230	11,820	11,820
30	497,110	433,110	259,820	259,820	127,000	2,000
Total	17,089,860	10,833,860	5,386,890	4,245,890	6,426,670	2,851,670

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**Table 37. San Joaquin Field Division Pumping Plant Energy Load Data****September 2008**

(in kWh)

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	43,210	110,140	64,210	59,210	64,130	906,080	971,700	2,105,700	7,791,390
2	39,290	99,740	46,950	46,030	49,730	1,002,450	981,980	2,138,260	7,788,910
3	35,310	91,680	56,640	51,020	54,130	913,840	858,150	1,837,100	6,614,920
4	46,510	117,280	85,540	81,170	85,890	871,270	866,040	1,850,450	6,726,160
5	33,940	84,100	42,650	40,160	43,650	817,530	795,540	1,697,440	6,065,150
6	33,200	81,820	67,690	63,970	67,050	803,470	752,380	1,659,100	6,058,690
7	36,160	92,230	75,940	70,610	76,840	1,614,280	1,887,790	4,237,280	15,608,050
8	34,600	87,790	47,240	44,180	47,400	858,360	794,700	1,696,970	5,953,580
9	41,890	103,300	67,600	62,790	66,960	760,310	733,340	1,577,480	5,870,290
10	36,770	92,230	54,760	51,400	55,200	866,980	812,740	1,805,780	6,560,870
11	36,610	92,190	84,010	78,610	83,700	781,940	780,100	1,659,760	5,932,170
12	33,200	83,000	41,200	38,240	41,960	815,580	792,370	1,714,020	6,222,310
13	27,430	68,780	63,470	59,740	63,420	791,390	860,550	1,899,790	6,860,460
14	30,400	77,070	74,530	68,670	74,640	1,817,520	2,071,710	4,666,030	17,312,050
15	24,440	60,990	50,400	47,770	50,610	882,830	876,930	1,902,260	6,827,920
16	30,760	77,230	58,700	54,760	58,380	653,080	656,400	1,396,230	4,843,450
17	28,840	70,600	64,690	60,980	65,150	615,960	578,510	1,252,980	4,345,700
18	21,560	53,630	57,440	53,120	56,830	537,330	491,380	1,015,540	3,701,160
19	21,640	54,630	60,940	57,330	61,020	518,780	506,300	1,110,490	3,703,750
20	20,190	54,170	60,850	56,780	60,180	440,970	467,170	1,052,200	3,934,520
21	19,440	48,730	52,270	47,900	51,310	976,430	1,202,950	2,621,680	9,647,340
22	17,000	41,430	60,880	58,000	60,840	504,390	497,680	1,009,390	3,513,430
23	15,320	39,270	59,850	56,110	59,760	412,470	428,260	915,780	3,264,700
24	16,440	40,850	59,150	54,450	58,340	414,610	447,720	972,800	3,270,730
25	17,120	41,850	64,910	60,550	64,750	421,480	397,900	833,930	3,040,340
26	19,180	47,090	59,220	55,610	60,070	444,000	434,370	951,810	3,234,920
27	25,180	63,710	64,460	60,440	63,420	429,740	429,910	944,880	3,218,080
28	27,720	70,100	69,130	65,100	69,530	984,060	1,181,960	2,623,720	9,902,760
29	19,400	46,390	66,210	62,470	66,320	619,810	601,890	1,281,740	4,602,310
30	24,320	58,860	64,840	60,660	64,410	665,520	694,080	1,517,260	5,472,390
Total	857,070	2,150,880	1,846,370	1,727,830	1,845,620	23,142,460	23,852,500	51,947,850	187,888,500

**Table 38. Southern Field Division Energy Data**

(in kWh)

**September 2008**

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	432,089	1,060,170	1,944,000	168,602	933,081	1,965,051	111,867	22,471	18,305	619
2	488,535	1,057,930	1,944,000	188,934	1,045,892	1,581,418	115,734	35,248	33,902	610
3	406,762	1,066,910	1,944,000	164,745	894,387	1,447,636	97,191	44,500	49,360	638
4	376,842	1,413,530	1,944,000	143,621	620,459	1,792,336	68,710	49,499	55,025	3,667
5	344,624	1,179,680	1,944,000	133,267	686,002	1,632,921	76,375	43,921	46,532	3,226
6	362,812	1,183,260	1,944,000	142,820	684,417	1,377,067	78,432	23,846	20,181	657
7	1,181,911	1,035,460	1,944,000	280,568	1,430,927	1,648,289	144,422	28,354	25,568	657
8	361,079	1,175,370	1,944,000	127,334	699,541	1,829,875	78,936	44,392	47,445	657
9	394,277	1,181,380	1,944,000	175,168	723,170	1,712,579	79,055	52,279	66,326	591
10	391,723	1,178,490	1,944,000	181,299	818,225	1,874,604	80,894	45,021	60,720	3,423
11	336,723	1,179,990	1,944,000	162,955	761,695	1,856,260	62,797	45,453	61,772	3,029
12	307,644	390,580	1,944,000	142,811	684,746	2,103,352	64,349	39,167	53,309	516
13	364,683	974,300	1,944,000	161,125	720,189	1,661,353	85,433	36,005	49,072	506
14	1,095,663	1,133,710	1,944,000	333,436	2,197,757	1,752,670	254,064	35,671	49,122	544
15	462,465	0	0	96,994	991,914	2,031,181	116,090	36,545	49,211	638
16	88,921	0	0	0	1,070,778	2,047,528	144,126	37,831	49,221	600
17	6,158	0	0	0	1,067,119	2,133,752	131,468	47,211	61,316	4,033
18	7,139	0	0	0	986,162	2,112,965	107,417	49,863	66,157	3,592
19	7,267	0	0	0	666,471	2,000,959	58,089	50,000	66,187	563
20	5,931	0	0	0	735,204	1,836,422	102,413	39,825	53,398	497
21	5,822	0	0	0	2,678,485	1,965,536	274,713	36,859	49,052	478
22	6,158	0	0	0	904,227	2,028,610	122,627	37,056	49,052	525
23	6,703	0	0	0	878,883	1,749,535	104,440	37,881	49,082	525
24	6,495	0	0	0	862,682	2,033,772	91,485	48,753	61,812	4,493
25	5,970	0	0	0	787,478	1,991,149	91,574	52,092	66,257	3,752
26	6,208	0	0	0	816,102	2,159,632	91,268	51,886	66,207	600
27	6,624	0	0	0	834,048	1,710,354	91,673	40,601	53,408	591
28	6,297	0	0	0	2,294,337	1,639,626	244,432	36,928	49,112	591
29	205,149	850,260	1,440,000	0	873,709	1,879,796	122,508	37,370	49,112	638
30	225,614	946,840	1,440,000	0	1,104,636	1,634,958	117,049	37,782	49,181	600
Total	7,904,287	17,007,860	30,096,000	2,603,679	30,452,722	55,191,189	3,409,632	1,224,308	1,524,407	42,056

/1 Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations